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Revenue and Expenditure Budgets

Year Ending December 31,1988

Greater Vancouver Districts

Greater Vancouver Regional District
4330 Kingsway, Burnaby, British Columbia, Canada V5H 4G8

Regional Manager
Telephone (604) 432-6214

TO: Board of Directors

FROM: Regional Manager

RE: 1988 Final Budget

DATE: April 29, 1988

The 1988 Final Budgets for the Greater Vancouver Districts are presented for your consideration. The following functions are covered in the consolidated budget overview:

- Water District
  - Water supply & distribution
- Sewerage & Drainage District
  - Sewerage & drainage
  - Solid waste
- Regional District
  - General government services
  - Air pollution control
  - Hospital planning
  - Labour relations
  - Parks
  - Electoral Area functions
  - Development services
- Regional Hospital District

The Role and Objectives of each function, together with an organization chart are stated in the preamble to each function budget.

The projected 1988 expenditures for the above functions amount to $147,227,625 and are summarized on Schedule 1. $93,764,332 (64%) of this amount relates to debt charges on past and current capital expenditures, most of which have already been approved.

Total operating expenditures of $49,671,892 representing 34% of total expenditures are increased by $9,538,640 (23.8%) over 1987 budget. $4,754,102 of this increase (9.6%) are for solid waste operations and reflect the first six months operation of the Burnaby Incineration Plant. The changes from the 1987 budget for new programs, extraordinary costs, increased levels of service and inflation are summarized on Schedule 2. Details of these increases are included in the Treasurer's report at the beginning of each of the District's budgets together with details of changes from the provisional budget.

Taxation for Regional and Hospital purposes is relatively uniform across the region and the impact of these budgets on taxation of a typical residence assuming participation in all functions is as follows:

	ASSESSED VALUE	REGIONAL	HOSPITAL
1988	120,000	15.21	42.44
1987	120,000	14.35	43.00
		0.86	(0.56)
% Increase/(Decrease)		6.0%	(1.3)%

The 1988 water rate should be set at 4.09¢ per cubic metre, an increase of 9.7% over the 1987 rate of 3.73¢ per cubic metre.

The regional rate for solid waste disposal should be set at $34.00 per tonne, an increase of 22.7% over the 1987 rate of $27.70 per tonne.

Schedule 1

GREATER VANCOUVER DISTRICTS

1988 BUDGET

TOTAL EXPENDITURES

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget	% Change over 1987 Final Budget
Tax Supported Functions					
Regional District					
General Government	$ 1,887,535	$ 1,788,543	$ 1,888,200	$2,458,856	+30.3
Air Pollution Control	1,845,800	1,771,906	1,972,900	2,105,900	+14.1
Hospital Planning	308,700	299,370	439,924	440,540	+42.7
Labour Relations	1,761,800	1,698,701	1,613,327	1,598,930	- 9.2
Parks	5,136,587	5,108,592	5,562,173	5,531,823	+ 7.7
Development Services	830,800	830,763	870,000	870,000	+ 4.7
Electoral Areas	525,493	498,077	507,067	506,636	- 3.6
	12,296,715	11,995,952	12,853,591	13,512,685	+ 9.9
Sewerage & Drainage	30,481,342	29,474,275	33,690,852	33,690,852	+10.5
Hospital District	60,652,760	58,862,763	64,677,106	63,161,184	+ 4.1
Total tax-supported functions	103,430,817	100,332,990	111,221,549	110,364,721	+ 6.7
Self-Liquidating Functions					
Water District	13,532,942	13,233,093	15,553,844	15,572,284	+15.1
Solid Waste	11,113,160	13,873,834	21,290,620	21,290,620	+91.6
TOTAL	$128,076,919	$127,439,917	$148,066,013	$147,227,625	+14.9

Excludes financing for members.

GREATER VANCOUVER DISTRICTS

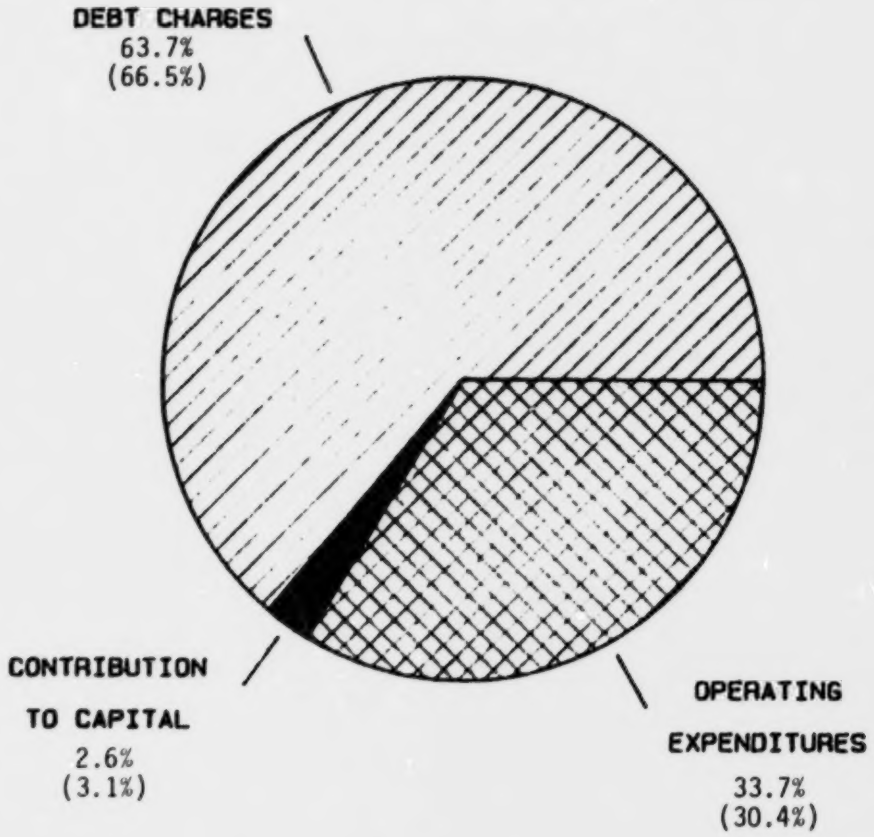
Schedule

Summary of Increase in 1988 Operating Expenditures over 1987 Final Budget

	Tax-Supported Functions					Self-Liquidating Functions					
	Regional District		Hospital District	Sewerage & Drainage District		Water District		Solid Waste		TOTAL	
	$	%	$	$	%	$	%	$	%	$	%
1987 Final Budget	$ 9,322,486		$6,000	$13,494,989		$6,371,877		$10,937,900		$40,133,252	
1987 Extraordinary Items	(228,700)	(2.5)		(667,003)	(4.9)	(634,090)	(10.0)			(1,529,793)	(3.
Discontinued Programs				(138,555)	(1.0)	(191,450)	(3.0)			(330,005)	(0.
1988 Base Budget	9,093,786		6,000	12,689,431		5,546,337		10,937,900		38,273,454	
1988 Extraordinary Items	813,440	2.7		656,469	4.9	1,618,531	25.4			3,088,440	7.
Change in Level of Service	387,453	4.2		482,662	3.6	546,339	8.6	4,989,941	45.6	6,406,395	16.
New Programs	108,546	1.2		664,637	4.9					773,183	1.
Change in 1988 Base Budget	33,619	0.4								33,619	—
Inflation	249,754	2.7		501,486	3.7	313,561	4.9	32,000		1,096,801	2.
	1,592,812			2,305,254		2,478,431		5,021,941		11,398,438	
1988 Final Budget	$10,686,598	14.6	$6,000	$14,994,685	11.1	$8,024,768	25.9	$15,959,841	45.9	$49,671,892	23.

Schedule 3

GROSS EXPENDITURES
1988 FINAL BUDGET



1987 Final Budget figures in brackets

Schedule 4

GREATER VANCOUVER DISTRICTS

Increase in 1988 Debt Charges

	1987 Final Budget	1988 Increase/ (Decrease)	% Change
Regional District			
Air Pollution	$ 48,200	$	
Parks	902,268	(1,705)	
Electoral Areas	200,192	(2,024)	
	1,150,660	(3,729)	- 0.3
Sewerage & Drainage District	17,086,353	1,767,986	+ 10.3
Hospital District (1)	27,692,790	952,745	+ 3.4
Water District	7,161,065	386,451	+ 5.4
Solid Waste Operations	1,547,660	3,624,947	+234.2
	$54,638,528	$6,728,400	+ 12.3

(1) Net of Provincial Grant;

Excludes financing for members.

Schedule 5

GREATER VANCOUVER DISTRICTS

1988 MEMBERS' TAX REQUISITIONS

AND USER CHARGES

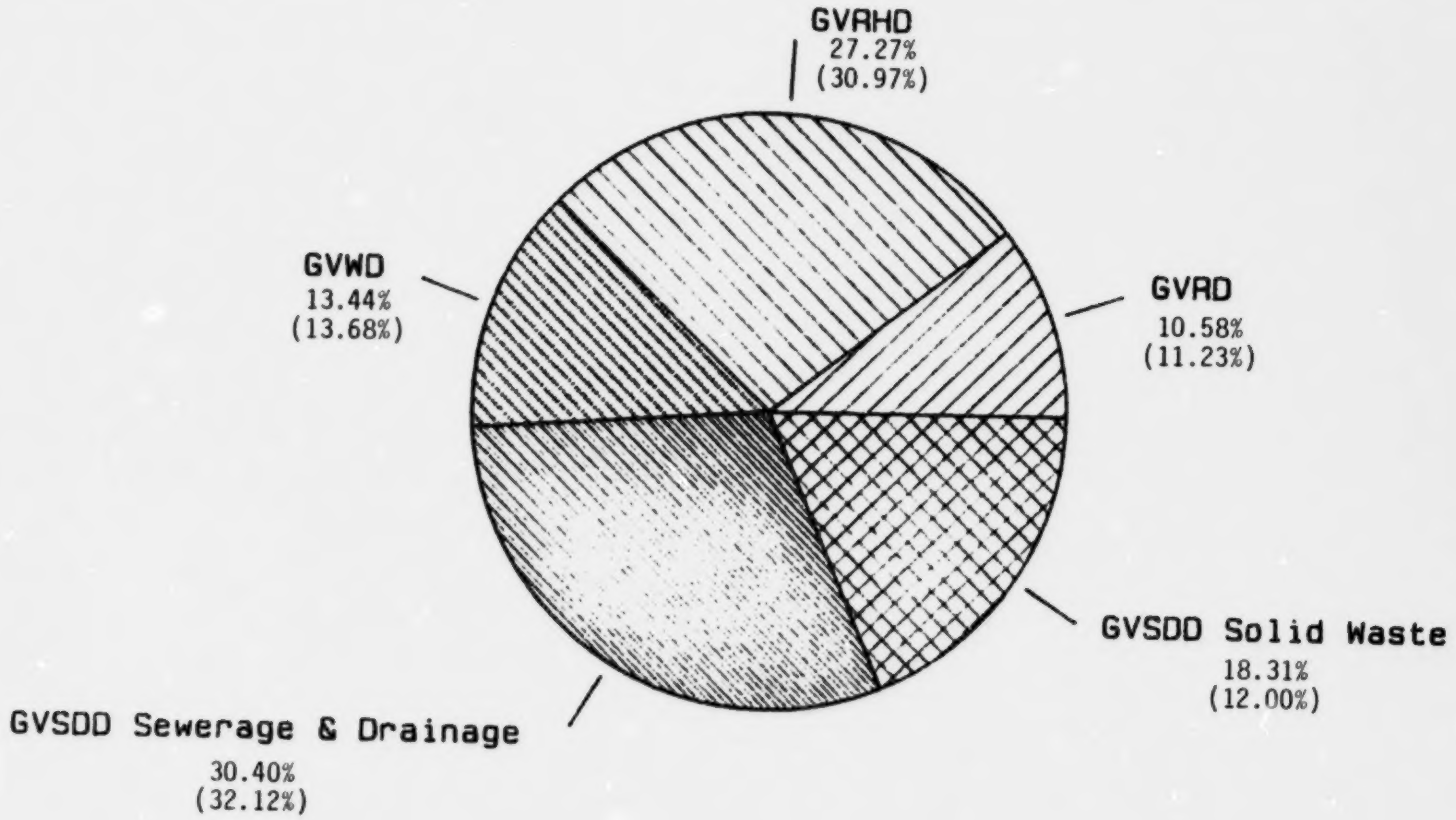
	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget	% Change over 1987 Final Budget
Tax Supported Functions					
Regional District					
General Government	$ 1,269,436	$ 1,269,436	$ 1,185,115	$ 1,731,751	
Air Pollution Control	1,159,819	1,159,819	1,058,200	996,632	
Hospital Planning	284,507	284,507	437,258	431,210	
Labour Relations	1,506,281	1,506,281	1,563,122	1,517,531	
Parks	4,971,687	4,971,687	5,391,635	5,362,335	
Development Services	830,800	830,763	870,000	870,000	
Electoral Areas	449,840	450,110	464,761	456,754	
	10,472,370	10,472,603	10,970,091	11,366,213	+ 8.5
Sewerage & Drainage	29,961,577	29,961,577	32,546,023	32,683,785	+ 9.1
Hospital District	28,887,068	28,879,713	29,900,237	29,305,519	+ 1.5
	69,321,015	69,313,893	73,416,351	73,355,517	+ 5.8
Self-Liquidating Functions					
Water District	12,755,275	13,558,393	14,674,961	14,443,443	+13.2
Solid Waste Operations	11,194,789	12,816,804	19,702,392	19,681,129	+75.8
	$93,271,079	$95,689,090	$107,793,704	$107,480,089	+15.2

Excludes financing for members.

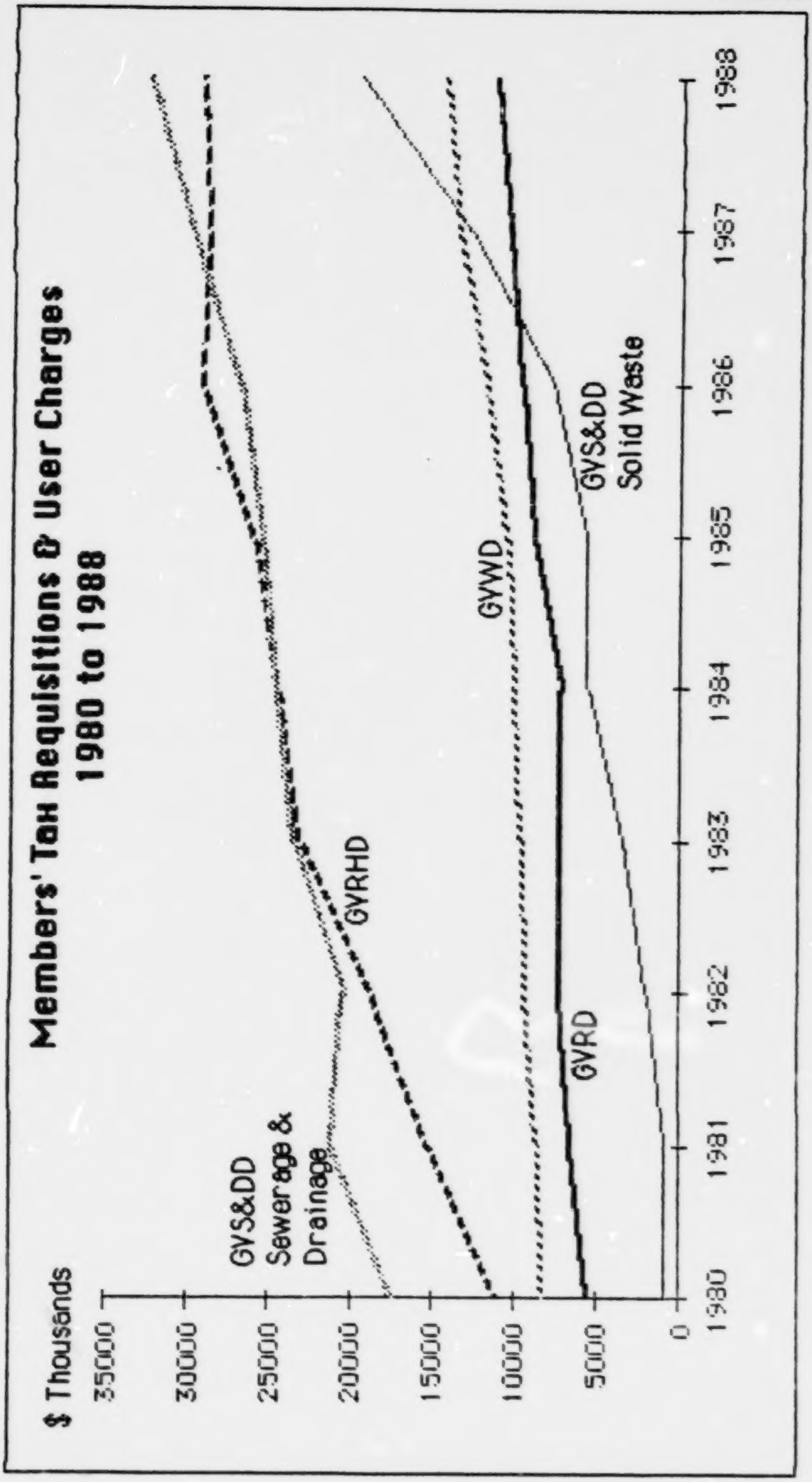
Schedule 6

MEMBERS' TAX REQUISITIONS & USER CHARGES

1988 Final Budget



1987 Final Budget
figures in brackets



Members' Tax Requisitions & User Charges 1980 to 1988

WATER DISTRICT

MICHAEL J. O'CONNOR
COMMISSIONER

Greater Vancouver Water District

ESTABLISHED 1924

4330 KINGSWAY
BURNABY, B.C.
CANADA V5H 4G8
PHONE (604) 432-6200

TO: Executive Committee
FROM: Secretary Treasurer
RE: 1988 Final Budget
DATE: March 15, 1988

The Greater Vancouver Water District Final Budget for 1988 is presented for your consideration.

1988 Final Budget

Total expenditures are up $18,440 over the provisional budget. The estimate for debt charges is substantially reduced due to lower interest rates and a delay in the timing of capital expenditures. This reduction is more than offset by the increase in operations, administration and research and development expenditures.

The surplus carried forward from 1987 was $249,958 more than anticipated in the provisional budget mostly due to water sales being higher than expected because the good weather in the fall lasted later than usual. The 1988 water rate has thus been reduced from 4.15¢ to 4.09¢ per cubic meter.

Changes from Provisional Budget

1988 Provisional Budget		$15,553,844
Research & Development - Water Quality Program (Extraordinary)		657,082
Administration		
- Corporate Services increase in Property Services allocation (Extraordinary)	$ 52,400	
- Engineering Administration (Base)	40,881	93,281
Operations & Maintenance (Extraordinary)		
- No. 3 engine repairs Vancouver Heights P.S.	58,000	
- No. 1 engine repairs Vancouver Heights P.S.	34,700	
(Extraordinary)	92,700	
- Water Rights Rental Account (Inflation)	163,766	
		256,466
Debt Charges		(988,389)
1988 Final Budget		$15,572,284

Operating Costs

	Operations & Maintenance	Administration & General Expense	Research & Development	Total
1987 Final Budget	$5,444,703	$529,815	$ 397,359	$6,371,877
1987 Extraordinary items	(634,090)			(634,090)
1987 Programs discontinued	(51,100)	(60,350)	(80,000)	(191,450)
1988 Base budget (before inflation)	4,759,513	469,465	317,359	5,546,337
Extraordinary Items (Appendix A)	909,049	52,400	657,082	1,618,531
Increased Level of Service (Appendix B)	405,060	48,881	92,398	546,339
Inflation	286,029	13,122	14,410	313,561
1988 Final Budget	$6,359,651	$583,868	$1,081,249	$8,024,768

Debt Charges

Net debt charges are projected to increase $386,451 over the 1987 Final Budget. This increase results from the ongoing substantial capital works program underway, with projected capital expenditures in 1988 of $16,536,000, the debt charges on which will be recovered from water sales. New debenture issues of $40,000,000 are planned in 1988 to fund these and previous projects, and to refinance a temporary debenture issued in 1982 at 15¼% which matured in 1987. It is anticipated that there will be a surplus from the maturing of a sinking fund debenture in 1988 totalling $1,247,000, and these funds will be used to reduce capital borrowings.

Water Sales

The volume of water sales for 1988 is projected to be somewhat less than that for 1987, as the budget is based on "normal" weather conditions. After allowing for the surplus forward from 1987 of $1,102,841, a rate of 4.09 cents per cubic metre is needed to meet net expenditures. This is an increase of 9.7% from the 1987 rate of 3.73 cents.

1987 Actual

Variance from 1987 Final Budget	
Increase in Operating costs	$ 410,947
Increase in Administration	55,351
Decrease in Research & Development	(269,565)
Decrease in Net Debt charges	(496,582)
Total Expenditure (Decrease)	$(299,849)

Operating Costs

Operations & Maintenance

The net overexpenditure of $410,947 results mostly from pumping station operations, where changes in the system and weather conditions placed extra demands on the facilities.

Administration & General

The overexpenditure of $55,351 results primarily from reorganization in Administration Offices and Engineering.

Research & Development

The underexpenditure of $269,565 results from lower than expected costs for general research and development, and the peak summer demand survey. The initial work undertaken on the Water Source Study changed in 1987 identified the need to expand the terms of reference to that of an overall master plan of the water system. The level of expenditure required to continue this work is identified in the 5-year Capital Expenditure Program and approval for funding the continuation of the study will be sought in 1988 as a capitalized item.

Debt Charges

A major increase in the level of capital expenditures from that allowed for in the budget was considered necessary after review of the system's performance. The carrying costs of these additional expenditures, however, were more than met by the rate on borrowing costs being less than anticipated.

Water Sales

The 1987 volume is about 7.2% over that used for the 1987 budget, and results in additional revenues of $803,118.

Appendix A

GREATER VANCOUVER WATER DISTRICT

1988 Extraordinary Items

Operations & Maintenance

West Supply Mains - Richmond Cathodic Protection		$ 32,010
Vancouver Heights - Preventative Maintenance		50,428
Kersland Pumping Station - Standby Generator		24,326
- Upgrade Wiring Capacity		22,239
Little Mountain Pumping Station - Upgrade Telemetry		29,152
Central Park Pumping Station - Install Regulated Bypass		52,124
Palisade - Remote Level Sensing		11,792
Burwell - Remote Level Sensing		11,792
Loch Lomond - Remote Level Sensing		11,793
Palisade Lake - Renew Gate Valve		15,473
Capilano Main North - Valve Replacement		62,446
Seymour Falls - Automate Standby Generator		51,562
- Hatchery Water Supply		27,839
- Storage Yard Consolidation		32,152
Coquitlam Supply Main - Port Mann Cathodic Protection		14,449
East Supply Main - Queensborough Cathodic Protection		23,890
Newton Reservoir - Bubbler System for Unit #2		14,965
Hellings Tank - Remote Valve Operators		19,805
Capilano - Chlorination		85,347
Seymour/Coquitlam - Chlorination		31,140
Beach Yard - Pressure Control Upgrade		47,959
Beach Yard - Computer		30,000
Reservoir Cleaning		
Greenwood	$ 10,220	
Cape Horn	12,208	
Whalley	12,208	
Newton	24,416	
Burnaby Mountain	12,208	
Capilano Mains Glenmore	5,232	
Maple Ridge	12,208	
Westburnco	24,416	
		113,116
Vancouver Pump Station - engines		92,700
		$909,049

Administration & General Expense

Corporate Services - increase in property division expenses	$ 52,400

Research & Development

Water Quality Program - laboratory studies and pilot plants	$657,082

Appendix B

GREATER VANCOUVER WATER DISTRICT

Increased Levels of Service

Operations & Maintenance

Additional staffing, materials and laboratory costs to better monitor water quality and deal with increasing demand	$ 93,000
Additional staffing, vehicle and materials costs to improve system reliability and capacity	215,560
Additional electrical costs at pumping stations to improve system reliability and capacity	80,500
Replacement of old and obsolete radio equipment	16,000
	$405,060

Administration & General Expense

Reallocation of Engineering Administration	$ 40,881
Administration Offices	8,000
	$ 48,881

Research and Development

Staffing, consulting, materials and laboratory costs to follow up on consultant recommendations for study of measures to improve water quality	$ 92,398

GREATER VANCOUVER WATER DISTRICT

Revenue and Expenditure Budget

Year Ending December 31, 1988

INDEX TO SCHEDULES

			PAGE
		Narrative	1
		Organization Chart	4
EXHIBIT	'A'	Revenue & Expenditure Budget	5
SCHEDULE	1	Debt Charges	6
	2	Debenture Debt Charges	7
	3	Debt Charges Recoverable Under Agreements with Member Municipalities	8
	4	Operation & Maintenance Budget - By Object of Expenditure	10
	5	Operation & Maintenance - By Program	11
	6	Administration & General Expense Budget	17
	7	Research & Development	18
	7(a)	Water Quality Program	19
	8	Estimate of Water Sales	20
	9	Watershed Management Program - Statement of Logging Income	25
	10	Watershed Management Program - Cost of Logs Produced	26
	11	Watershed Security Program	27

* * * * *

GREATER VANCOUVER WATER DISTRICT

Long-Term and Ongoing Role

The water supply function involves the acquiring, supplying and distributing of potable water for the use of the inhabitants of the District for all purposes at equitable rates or for supply to adjacent areas outside the District. Membership in the Water District by municipalities is voluntary; however, there is no opting out of the utility once a member has joined. The District is legally obliged to perform in accordance with the provisions of the Greater Vancouver Water District Act.

Water is supplied from three uninhabited watersheds located in the North Shore mountains. The Capilano, Seymour and Coquitlam systems, serving respectively the western, central and eastern sectors of the Greater Vancouver area, consist of dams, pipelines, pumping stations and reservoirs and are integrated systems designed to provide a reliable and safe supply of water to the area.

Capital Expenditure Program

The Water District has a long term master plan for development of the water system in concert with the growth of the Region. The plan has been integrated with the municipal water system through a number of major studies that were carried out co-operatively with the member municipalities.

In late 1987 work will commence on a comprehensive study of the Region's water requirements and the means of fulfilling those needs. It is expected that this study will take a minimum of 18 months to complete and will involve all member municipalities. The end result will be an updated master plan for the Region's water supply system.

To provide members with an estimate of capital expenditures for new water works facilities, five-year capital programs are prepared. The program lists the facilities expected to be required for each of those five years, together with the estimated costs. The facilities are not automatically constructed in the order set out in the program but rather after each summer's peak water flows, the performance of the system is reviewed to identify the most cost effective improvements that will enable the system to keep abreast of the growth in the water demand and delay major capital improvements as long as possible.

1988 Short-Term Objectives

The Operation and Maintenance of the Water District facilities remains the principal objective for 1988. In the past several years capital improvements have been directed at upgrading the trunk mains and distribution facilities close to the intakes to keep pace with the Region's growth. The 1988 program which will continue some programs and projects initiated in 1987 and place more emphasis on improving the system reliability, capacity and water quality.

1. Reliability

The steady growth in water demand over the past number of years has strained many parts of the water distribution system. Although new mains are being added each year a significant part of the back bone of the District's pipe system is fifty years old or more with some sections of main dating back to 1910. The repair of the North Shaft of the First Narrows Water Tunnel which is scheduled to commence shortly at an estimated cost of 2.5 million dollars is the most recent example of the need for greater reliability. The pumping stations and related components which have been in service for as little as 10 years in some cases and up to 25 years in others are being operated more frequently with the increased demand. Included as a major thrust of this year's budget are cost items to upgrade deteriorated wiring, mechanical components and pipe work or to provide backup facilities that will lessen the District's vulnerability and decrease the staff response time in the event of equipment malfunction or total failure. As part of this program new equipment is also being included to provide additional flexibility of operation from the Control Room of such components as valves and pressure sensing equipment and to more efficiently utilize the resources that exist now.

2. Capacity

The growth rate of the municipalities in the south-east sector has accelerated the Capital Works Water Program for this area. New projects slated for construction prior to the 1988 summer draws are the Whalley-Kennedy Link Main and an upgrading of the Cape Horn Pumping Station capacity that will see the installed horsepower doubled to 3,000 horsepower. These works, which were approved in October of 1987, total 5.0 million dollars. These improvements are expected to address the growth rate in the west side of Surrey until approximately 1993 when other systems will be available to carry the load in this area.

3. Water Quality

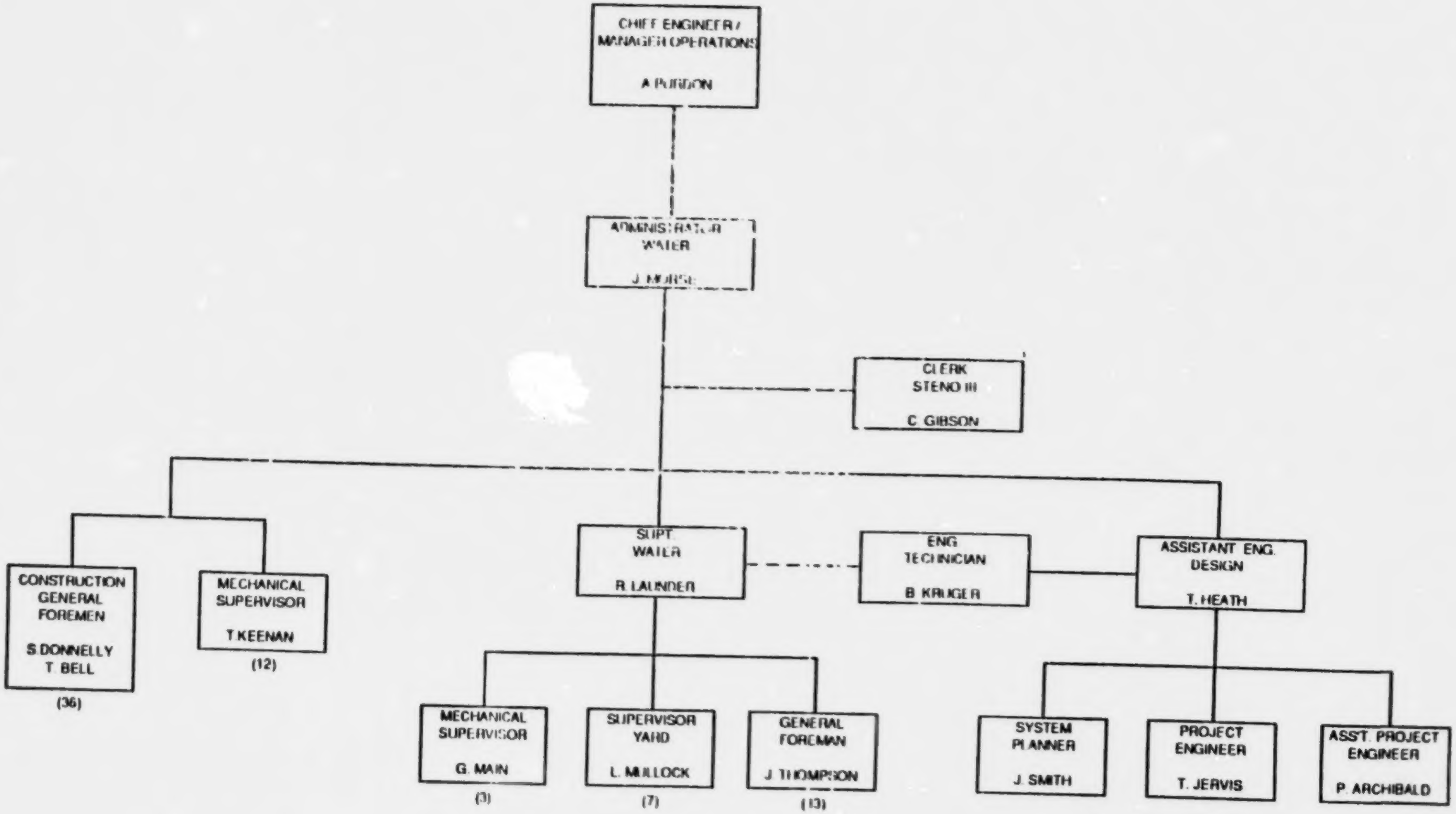
The Water Quality Program will expand in 1988 in preparation for implementing the findings of research that has identified that changes in the water treatment and disinfection methods will be needed to continue to meet the current water quality standards and those of the future. These changes for 1988 will take the form of pilot programs to test the effectiveness of alternative disinfection technology as well as equipment to suppress the corrosive nature of our water. An alternating year reservoir flushing and cleaning program is incorporated into the budget as a continuation of a program started last year. This program will see one half of the District's reservoirs cleaned each year to suppress bacterial growth in the off peak seasons.

Implementation of the 1988 program will result in a distribution system capable of delivering a larger quantity of higher quality water with greater reliability at the end of 1988 than at the start.

REVIEW OF PRIOR YEAR'S OBJECTIVES

The Capital Works undertaken in 1987 to improve the capacity of the water system were completed in time for the peak draws of this past summer. The new Coquitlam Intake Works which comprised the enlargement of the tunnel to three times its original cross-sectional area was a significant step that will allow that system to reach its potential. The completion of the new section of Capilano Main No. 5 from Edgemont Boulevard to Marine Drive in North Vancouver provided another major link in the Capilano system for serving the area south of the Narrows. Steps to improve the reliability of the system and lessen the vulnerability of the supply to the region were carried out throughout the year following the repair of the North Shaft of the First Narrows water tunnel in January. This around the clock repair operation, which continued for 6 weeks, restored the shaft sufficiently until permanent repairs can be made late in 1987 and early 1988. Other repairs and major maintenance works were undertaken during the year on the system supplying the Capilano Service area in preparation for carrying out the permanent repairs to the North Shaft. This work included a major diesel engine refit at the Vancouver Heights Pumping Station and numerous electrical upgrades and valve repairs that will provide better control and staff availability during the shut down period this winter.

GREATER VANCOUVER WATER DISTRICT


CHIEF ENGINEER / MANAGER OPERATIONS
A PURDON
ADMINISTRATOR WATER
J. MORSE
CLERK STENO III
C. GIBSON
CONSTRUCTION GENERAL FOREMEN
S DONNELLY
T. BELL
(36)
MECHANICAL SUPERVISOR
T KEENAN
(12)
SUPT. WATER
R LAUNDER
ENG TECHNICIAN
B. KRUGER
ASSISTANT ENG. DESIGN
T. HEATH
MECHANICAL SUPERVISOR
G. MAIN
(3)
SUPERVISOR YARD
L. MULLOCK
(7)
GENERAL FOREMAN
J. THOMPSON
(13)
SYSTEM PLANNER
J. SMITH
PROJECT ENGINEER
T. JERVIS
ASST. PROJECT ENGINEER
P. ARCHIBALD

Notes:
1. ( ) = Staff supervised

Exhibit 'A'

GREATER VANCOUVER WATER DISTRICT

Revenue and Expenditure Budget
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget	% Change over 1987 Final Budget
Expenditures					
Operation & Maintenance of water system (Sch. 4 & 5)	$ 5,444,703	$ 5,855,650	$ 6,103,185	$ 6,359,651	+ 16.8
Administrative & general expense (Sch. 6)	529,815	585,166	490,587	583,868	+ 10.2
Research & Development (Sch. 7)	397,359	127,794	424,167	1,081,249	+172.1
	6,371,877	6,568,610	7,017,939	8,024,768	+ 25.9
Net Debt Charges (Sch. 1)	7,161,065	6,664,483	8,535,905	7,547,516	+ 5.4
Total Expenditure	$13,532,942	$13,233,093	$15,553,844	$15,572,284	+ 15.1
Revenue					
Income deferred from previous year	$ 751,667	$ 751,667	$ 852,883	$ 1,102,841	+ 46.7
Miscellaneous income	26,000	25,874	26,000	26,000	
Total Revenue	$ 777,667	$ 777,541	$ 878,883	$ 1,128,841	+ 45.2
Net amount to be raised from the sale of water	$12,755,275	$12,455,552	$14,674,961	$14,443,443	+ 13.2
Metered Sale of Water (Sch. 8)					
Member municipalities	$12,177,401	$12,934,897	$13,972,750	$13,775,374	+ 13.1
Non-members	577,874	623,496	702,211	668,069	+ 15.6
Total	$12,755,275	$13,558,393	$14,674,961	$14,443,443	+ 13.2
Net income deferred to following year		$ 1,102,841			

GREATER VANCOUVER WATER DISTRICT

Debt Charges
Revenue and Expenditure Budget
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Debenture debt charges (Schedule 2)	$ 8,526,262	$ 8,385,775	$ 6,822,786	$ 6,822,786
Proposed debenture issue	864,465		2,663,524	2,458,637
Interest on short term borrowing	640,700	1,366,439	1,882,490	1,148,988
Exchange on U.S. funds, net of amounts recoverable	543,100	460,675	475,343	425,343
Sundry financial charges	12,600	11,556	24,500	24,500
Gross Debt Charges	10,587,127	10,224,445	11,868,643	10,880,254
Less				
Recoverable under agreements with member municipalities (Schedule 3)	1,691,204	1,728,726	1,537,280	1,537,280
Net Debt Charges	8,895,923	8,495,719	10,331,363	9,342,974
Principal & Interest charges to:				
- capital projects		14,397	10,000	10,000
- office building operations	1,734,858	1,816,839	1,785,458	1,785,458
	1,734,858	1,831,236	1,795,458	1,795,458
Net Charge to Revenue	$ 7,161,065	$ 6,664,483	$ 8,535,905	$ 7,547,516

Schedule 2

GREATER VANCOUVER WATER DISTRICT

Debenture Debt Charges
Year Ending December 31, 1988

SINKING FUND DEBENTURES

ISSUE NUMBER	BY-LAW NUMBER	RATE	MATURITY DATE	DEBT RETIREMENT	INTEREST	TOTAL
37	147	7.5	May 15, 1988	$	$ 69,606	$ 69,606
39 (1)	151	9.5	Jan. 15, 1990		257,246	257,246
52	181	11.75	Apr. 18, 1989	400,000	1,175,000	1,575,000
53	189	9.0	Aug. 15, 1991	470,000	1,800,000	2,270,000
				870,000	3,301,852	4,171,852
			SERIAL DEBENTURES			
30	128	5.25	Jun. 15, 1988	121,151	6,380	127,531
31	132	5.5	Apr. 15, 1989	142,005	10,077	152,082
32	135	5.5	Apr. 15, 1990	165,436	21,149	186,585
33	136	5.25	Jul. 1, 1990	8,064	1,096	9,160
34	137	5.25	Dec. 1, 2005	9,268	13,909	23,177
35	138	5.25	Dec. 1, 2005	9,490	14,241	23,731
46 (1)	168	9.75	Mar. 1, 1996	516,918	475,676	992,594
47 (1)	169	8.625	Jun. 22, 1997	175,000	185,240	360,240
48	172	9.625	Jan. 1, 1998	6,015	9,384	15,399
49	174	10.0	Jan. 1, 1999	15,147	29,163	44,310
50	173	10.25	Jul. 2, 1999	234,033	482,092	716,125
				1,402,527	1,248,407	2,650,934
Total Debenture Debt Charges				$2,272,527	$4,550,259	$6,822,786

Note (1) Debentures payable in United States Dollars.

Schedule 3

GREATER VANCOUVER WATER DISTRICT

Debt Charges Recoverable Under Agreements with Member Municipalities Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
District of Burnaby				
Financing Agreement-Jan. 14/63	$ 35,982	$ 35,982	$ 16,041	
Financing Agreement-Aug. 3/64	74,716	74,716	74,754	
North Burnaby Main-Section 2	9,158	9,158	9,163	
South Burnaby Main	150,333	150,333	150,333	
	270,189	270,189	250,291	
District of Coquitlam				
Port Moody Main No. 2	20,247	20,247	20,303	
District of Surrey				
Kennedy Heights Main & Reservoir (2)	31,726	34,627	26,216	
Surrey Westerman Main	2,426	2,426	1,081	
Surrey Hickleton Main	18,134	18,134	8,084	
Whalley-Clayton-Langley Main (1)	236,366	236,366	235,325	
Whalley-Clayton Main #2	61,497	61,497	61,497	
	350,149	353,050	332,203	
Township of Richmond				
Lulu Island-Delta Enlarged Main	29,470	29,470	13,138	
22-inch Main	259	259	115	
Richmond-Delta Enlarged Facilities (2)	205,828	213,485	191,444	
	235,557	243,214	204,697	
Carried Forward	876,142	886,700	807,494	

Note (1) Debentures payable in United States Dollars;
(2) Assumes refinancing of issue #51.

GREATER VANCOUVER WATER DISTRICT

Debt Charges Recoverable Under Agreements with Member Municipalities
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Brought Forward	876,142	886,700	807,494	
Corporation of Delta				
Lulu Island-Delta Enlarged Main	10,853	10,853	4,838	
Tilbury River Road - Oct. '82		250,448		
Richmond-Delta Enlarged Facilities (2)	565,733	336,326	526,193	
64th Avenue Main	25,768	25,768	25,768	
	602,354	623,395	556,799	
City of Port Coquitlam				
Financing Agmt.-Nov. 1/65	10,059	10,115		
District of North Vancouver				
Financing Agmt.-Nov. 1/65	8,682	8,730		
City of Port Moody				
Port Moody Main No. 2 & Reservoir	5,944	5,944	5,961	
District of Maple Ridge				
Financing Agmt.-Aug. 10/62	7,333	7,373		
Haney Main No. 2	2,776	2,791		
Haney Main No. 2 extension	5,914	2,121	5,931	
Haney Main		3,793		
Enlarged Facilities Agreement of February 8, 1979 (2)	62,862	68,626	51,957	
Maple Ridge Reservoir	109,138	109,138	109,138	
	188,023	193,842	167,026	
Total	$1,691,204	$1,728,726	$1,537,280	$1,537,280

Note (1) Debentures payable in United States Dollars;
(2) Assumes refinancing of issue #51.

GREATER VANCOUVER WATER DISTRICT

Operation and Maintenance Budget
By Object of Expenditure
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$2,567,267	$2,565,820	$2,810,881	$2,856,522
Vehicles & equipment rentals	341,320	470,029	384,298	385,398
Consultants			30,368	30,368
Materials & supplies	404,169	637,617	623,272	661,272
Other services	197,439	86,650	180,752	205,752
Gasoline, fuel & lubricants	69,890	121,515	69,774	69,774
Purchased repairs & maintenance	30,850	43,182	30,212	30,212
Chlorine	180,000	223,201	193,440	193,440
Electricity	565,850	752,361	677,404	677,404
Natural gas	11,050	7,569	13,468	13,468
Telephone	69,350	69,051	71,918	71,918
Land taxes & rentals	386,300	336,052	348,608	348,608
Insurance	89,930	90,193	93,527	93,527
Water rentals to Crown	306,050	289,580	312,245	476,011
Provision for equipment replacement	59,600	71,617	75,600	75,600
Indirect departmental costs	521,644	496,168	577,849	581,248
	5,800,709	6,260,605	6,493,616	6,770,522
Less: Recoveries	356,006	404,955	390,431	410,871
	$5,444,703	$5,855,650	$6,103,185	$6,359,651

Schedule 5(a)

GREATER VANCOUVER WATER DISTRICT

Operation and Maintenance Budget
By Program
Year Ending December 31, 1988

	Sch	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Impounding Reservoirs & Source of Supply					
Impounding reservoirs		$ 88,088	$ 31,164	$ 127,723	
Capilano Intake		186,861	131,283	180,626	
Seymour Falls Intake		214,217	211,213	256,601	
Fish conservation		1,487		1,447	
Piezometer readings		17,571	11,805	18,521	
	5(b)	508,224	385,465	584,918	584,918
Supply Mains & Distribution Reservoirs					
West District		344,971	429,232	401,165	
Capilano District		254,854	302,999	277,791	
Capilano District-Break N. Shaft		237,257	239,432		
Seymour District		175,942	240,835	229,673	
Coquitlam District		355,749	290,399	319,642	
East District		416,870	410,215	457,770	
	5(c)	1,785,643	1,913,112	1,686,041	1,686,041
Pumping Stations					
Vancouver Heights		246,666	522,105	350,822	443,522
Kersland		67,818	107,241	114,284	114,284
Sasamat		44,488	71,670	52,305	52,305
Little Mountain		46,424	54,912	83,358	83,358
Central Park		135,417	177,374	202,975	202,975
Maple Ridge		39,035	57,008	45,451	45,451
Westburnco		60,162	104,344	85,346	85,346
Burnaby Mountain		142,483	156,791	147,739	147,739
Cape Horn		83,797	122,139	145,434	145,434
	5(d)	866,290	1,373,584	1,227,714	1,320,414
Chlorination	5(e)	438,553	485,815	574,542	574,542
Quality Monitoring	5(f)	414,900	383,070	539,885	539,885
General					
Beach yard control system		245,513	184,990	259,935	259,935
Beach yard computerization		30,000	393	31,200	31,200
Radio communications		63,041	65,491	70,595	70,595
Meter reading & maintenance		120,907	111,856	122,552	122,552
Yard operating & general maintenance		252,932	260,875	264,400	264,400
Property taxes		324,000	313,121	336,960	336,960
Insurance		88,700	88,298	92,248	92,248
Water rentals to Crown		306,000	289,580	312,195	475,961
		1,431,093	1,314,604	1,490,085	1,653,851
Total		$5,444,703	$5,855,650	$6,103,185	$6,359,651

GREATER VANCOUVER WATER DISTRICT

Operation and Maintenance Budget
Impounding Reservoirs & Source of Supply
Year Ending December 31, 1988

Purpose/Level of Activity

The activities associated with operating the watershed lakes and the dam intakes in Capilano, Seymour and Coquitlam are collectively included in this category. The mountain reservoirs, Loch Lomond, Palisade and Burwell Lakes which form the reserve supplies to the main reservoirs are part of this category. Routine maintenance and repair of the intakes and dams structures and lake screening form the major areas of operation.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$284,467	$190,994	$293,342	
Vehicles & equipment rentals	38,650	64,351	50,648	
Materials & supplies	44,100	40,689	101,608	
Other services	21,600	3,498	19,864	
Gasoline, fuel & lubricants	11,650	19,549	12,116	
Purchased repairs & maintenance	5,100	964	3,432	
Electricity	25,000	14,992	26,000	
Natural gas	1,650	653	1,716	
Telephone	3,600	2,742	3,608	
Insurance	900	1,247	936	
Provision for equipment replacement	5,000	5,148	5,000	
Indirect departmental costs	70,707	44,887	71,016	
	512,424	389,714	589,286	
Less: Recoveries	4,200	4,249	4,368	
	$508,224	$385,465	$584,918	$584,918

Schedule 5(c)

GREATER VANCOUVER WATER DISTRICT

Operation and Maintenance Budget
Supply Mains & Distribution Reservoirs
Year Ending December 31, 1988

Purpose/Level of Activity

This category contains the largest single sector of expenditure of the budget as would be expected to operate the 19 balancing reservoirs and approximately 500 kilometers of distribution mains spread throughout the Regional District. Water from the mountain reservoirs is distributed through these facilities at numerous metered locations to the District members. The balancing reservoirs in the system are utilized to supplement the demand during peak periods and are refilled during the low demand period of the day.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$ 996,247	$1,024,117	$ 946,424	
Vehicles & equipment rentals	171,570	244,305	186,850	
Consultants			4,368	
Materials & supplies	141,425	262,884	173,524	
Other services	118,318	60,980	40,643	
Gasoline, fuel & lubricants	8,544	6,734	7,956	
Purchased repairs & maintenance	5,400	5,826	9,776	
Chlorine		502		
Electricity	35,150	29,668	41,756	
Natural gas	1,800	738	1,872	
Telephone	30,950	30,889	30,988	
Land taxes & rentals	11,100	22,637	11,544	
Provision for equipment replacement	4,900	5,318	4,900	
Indirect departmental costs	263,959	260,647	229,309	
	1,789,363	1,955,245	1,689,910	
Less: Recoveries	3,720	42,133	3,869	
	$1,785,643	$1,913,112	$1,686,041	$1,686,041

Schedule 5(d)

GREATER VANCOUVER WATER DISTRICT

Operation and Maintenance Budget
Pumping Stations
Year Ending December 31, 1988

Purpose/Level of Activity

The topography of the Regional District and the elevation of the source waters permits much of the system to be operated by gravity flow. The elevation of some areas and the seasonal flows however require pumping to supplement the demand which is met by a series of 13 pumping stations. These stations are located adjacent to the system balancing reservoirs which provide the water pumped during peak periods. As mentioned elsewhere in this report the stations are operated more frequently as demand grows and therefore have increased allowances for maintenance and equipment upgrading in the 1988 budget.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$ 208,073	$ 278,195	$ 336,113	$ 361,313
Vehicles & equipment rentals	22,250	61,006	34,550	35,650
Materials & supplies	50,200	164,801	153,920	191,920
Other services	2,220	11,339	10,109	35,109
Gasoline, fuel & lubricants	40,240	91,411	41,850	41,850
Purchased repairs & maintenance	10,350	27,501	10,764	10,764
Electricity	492,700	697,512	596,128	596,128
Telephone	22,750	20,205	22,756	22,756
Land taxes & rentals	100		104	104
Water rentals to Crown	50		50	50
Indirect departmental costs	39,158	51,034	59,587	62,987
	888,091	1,403,004	1,265,931	1,358,631
Less: Recoveries	21,801	29,420	38,217	38,217
	$ 866,290	$1,373,584	$1,227,714	$1,320,414

GREATER VANCOUVER WATER DISTRICT

Operation and Maintenance Budget
Chlorination
Year Ending December 31, 1988

Purpose/Level of Activity

The closed watershed policy of the Greater Vancouver Water District which limits access to authorized persons, enables the District to limit its water treatment at this time to screening and mild chlorination only. Chlorination levels were increased in 1986 to ensure that the water delivered to the member municipalities meets or exceeds the drinking water standards of the Province. These levels will continue to be maintained through 1988.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$136,776	$162,031	$197,528	
Vehicles & equipment rentals	32,450	29,953	33,450	
Materials & supplies	49,350	31,946	49,764	
Other services	2,450	1,341	49,348	
Gasoline, fuel & lubricants	2,550	569	2,652	
Purchased repairs & maintenance	600	610	624	
Chlorine	180,000	221,838	193,440	
Natural gas		37		
Telephone	900	391	906	
Provision for equipment replacement	100	84	100	
Indirect departmental costs	33,377	37,015	46,730	
	$438,553	$485,815	$574,542	$574,542

GREATER VANCOUVER WATER DISTRICT

Operation and Maintenance Budget
Quality Control
Year Ending December 31, 1988

Purpose

The purpose of this program is to monitor water at source, after treatment and in the distribution system in order to determine the level of treatment required, the effectiveness of chlorination, and the quality of water throughout the G.V.W.D. and municipal distribution systems, and the need for mitigative actions such as flushing and cleaning.

Level of Activity

Water samples are collected from across the distribution system each working day and taken to the laboratory for bacteriological and chemical analyses. Approximately 33,000 bacteriological and 23,000 chemical and physical tests were carried out in 1987. Data is stored on a computerized data base to facilitate report writing, graphical and statistical analyses. Due to increased emphasis on water quality, it is expected that this level of activity will increase in 1988 in conjunction with water quality investigations being carried out under the Water Quality Treatment and Improvement Program.

In addition to the monitoring services, Quality Control staff provide technical advice to the District municipalities and health departments in the water quality area and play a major role in the chlorination and certification of new and repaired District facilities before they are placed in service.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$180,000	$162,971	$230,894	
Vehicles & equipment rentals	18,700	12,299	19,600	
Materials & supplies	27,000	27,405	35,048	
Other services	20,200	4,675	24,544	
Gasoline, fuel & lubricants	3,000	1,690	208	
Insurance		272		
Indirect departmental costs	166,000	173,758	229,591	
	$414,900	$383,070	$539,885	$539,885

GREATER VANCOUVER WATER DISTRICT

Administration and General Expense Budget Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Administration				
Allocated from Greater Vancouver Regional District				
- Administration offices	$ 177,400	$ 193,774	$ 191,000	$ 191,000
- Central administrative services	39,850	39,850	43,600	43,600
- Corporate services	210,250	212,000	149,900	202,300
Engineering administration	72,515	105,218	75,675	116,556
	500,015	550,842	460,175	553,456
General				
Legal	10,000	3,429	10,400	
Audit	14,500	13,845	14,500	
Travel	1,000	387	1,040	
Miscellaneous	4,300	16,663	4,472	
	29,800	34,324	30,412	30,412
Total	$ 529,815	$ 585,166	$ 490,587	$ 583,868

GREATER VANCOUVER WATER DISTRICT

Research & Development
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
General research & development	$ 27,857	$ 35,124	$ 30,134	$ 30,134
Water Quality Program (Schedule 7(a))	262,765	47,186	365,818	1,022,900
Peak Summer Demand Survey	26,737	18,899	28,215	28,215
Water Source Study	80,000	26,585		
	$397,359	$127,794	$424,167	$1,081,249

GREATER VANCOUVER WATER DISTRICT

Research & Development Budget
Water Quality Program
Year Ending December 31, 1988

Purpose

The long-term goal of this program is to improve water quality in the distribution system. This will include such changes as secondary disinfection, corrosion control, reassessment of primary disinfection, and evaluation of system operation as an approach for improving water quality.

Level of Activity

In 1987, a major study which assessed the Region's water quality and treatment program was carried out by a consultant. Following the consultant's recommendation, the District has established a water quality engineer position to manage the project and ensure that the consultant's recommendations for near term evaluations, system improvements, long term studies and capital improvements are carried out. Until this position is filled, the consultant will be retained and used extensively in a project management role to direct the many technical services and research components of the project to enable the program to advance on schedule. In 1988, it is the District's goal to continue laboratory studies and to construct pilot plants to evaluate alternative primary disinfection, secondary disinfection and corrosion control strategies. Following recommendations from these studies, work can commence on capital improvements to address these same areas of water quality.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$ 93,965	$ 4,930	$110,203	$ 205,200
Vehicles & equipment rentals	3,000		3,000	5,000
Consultants	100,000	33,960	156,000	425,000
Materials & supplies	10,000		41,600	180,000
Other services	300	3,308	5,512	156,000
Gasoline, fuel & lubricants	800		832	800
Indirect departmental costs	54,700	4,988	48,671	50,900
	$262,765	$ 47,186	$365,818	$1,022,900

GREATER VANCOUVER WATER DISTRICT

Estimate of Water Sales
Year Ending December 31, 1988

Members	Consumption in Cubic Metres (1000's) Daily	Consumption in Cubic Metres (1000's) Annual	Rate Per Cubic Metre	Amount
Burnaby	92.38	33,810	$0.0409	$ 1,378,160
Coquitlam (District)	40.31	14,754	0.0409	603,439
Delta	69.69	25,505	0.0409	1,039,633
Maple Ridge	19.23	7,040	0.0409	287,936
New Westminster	41.24	15,095	0.0409	617,386
North Vancouver City	22.66	8,294	0.0274	227,069
North Vancouver District	54.89	20,088	0.0409	821,600
Pitt Meadows	7.03	2,573	0.0409	105,236
Port Coquitlam	15.82	5,790	0.0409	236,811
Port Moody	16.11	5,897	0.0409	241,187
Provincial Institutions	1.44	526	0.0409	21,513
Richmond	84.81	31,042	0.0409	1,292,331
Surrey	102.01	37,336	0.0409	1,521,886
West Vancouver	25.86	9,464	0.0409	387,078
Vancouver	334.75	122,519	0.0409	4,994,109
Member Municipalities Total	928.23	339,733		13,775,374
Non-Members				
University Endowment Lands	18.78	6,875	0.0491	337,239
Capilano Hatchery	0.03	11	0.0491	540
City of Langley	8.83	3,232	0.1022	330,290
Non-Members Total	27.64	10,118		668,069
Total estimated Consumption	955.88	349,851		
Total amount to be raised from the sale of water				$14,443,443

WATERSHED MANAGEMENT

Long-Term and Ongoing Role

The long-term and ongoing role of the Forestry Department is outlined in the Amending Indenture, dated March 17, 1967, to the 999-year lease dated August 13 and 18, 1927. The fundamental objective of the Forestry Department is "that the timber on the said lands should be managed on a sustained yield basis for the purpose of developing, protecting and improving the water yielding characteristics of the lands" and "that the highest priority in the management of the lands to which this Amending Indenture applies must be given to water supply purposes, both in terms of quality and quantity of water, and that the provisions of the forest management plan must be secondary to this objective."

This role is managed by developing long-range watershed and forest management objectives.

1988 Short-Term Objectives

From 1987

1. Complete the new 5 Year Management and Working Plan for submission to the Ministry of Forests and Lands by June, 1988.

2. Continue the watershed management program which includes fire protection, timber harvesting, road construction and maintenance, and slide and stream rehabilitation.

3. Continue the on-going basic silviculture program. Our objective is to establish a new forest, through planting, on all denuded areas within two years of denudation.

4. Continue to expand the intensive silviculture program. Intensive silviculture involves tending new forests after they have become established and includes juvenile spacing, commercial and pre-commercial thinning, pruning, conifer release and group selection.

5. Continue the program of hydrological and water quality research through the cooperation with U.B.C. Faculty of Forestry.

6. Continue the development of the Seymour Demonstration Forest which was opened in August, 1987.

7. Continue to investigate alternate site preparation methods.

New for 1988

1. Re-introduction of aerial harvesting using a Wyssen Sky-line system. This system was last used in the Watersheds in 1981.

2. A horse-logging commercial thinning operation is being scheduled for early 1988 as an operational trial.

1988 Capital Expenditure

The road construction program forms part of the continuing watershed and forest management objective of providing permanent road access throughout the watersheds. The road system in the watersheds provide access for harvesting, fire protection and watershed maintenance.

The 1988 Capital Expenditure requirement for road construction of approximately 20.0 kilometres is as follows:

Road Construction

Capilano Watershed	0.2 km	$ 6,400
Seymour Watershed	7.0 km	374,000
Coquitlam Watershed	12.8 km	1,030,000
Total	20.0 km	$1,410,400

The objective of providing major road access throughout the watersheds will be virtually completed within the next few years.

The projected capital expenditure for road construction in the watersheds for 1989 to 1993 is as follows:

	Capilano	Seymour	Coquitlam	Total
1989	$230,000	$100,000	$630,000	$960,000
1990	50,000	650,000	195,000	895,000
1991	500,000	90,000	260,000	850,000
1992	400,000	300,000	50,000	750,000
1993	135,000	200,000	50,000	385,000

Watershed Management Financing

The Watershed Management Program is operated as a separate fund, and is not part of the regular Water District operations and therefore does not impact on the water rate. Over the years this program has produced net surpluses which have been set aside in the Reserve for Watershed Management Program Losses which amounted to $9,124,183 at December 31, 1987.

To date all capital expenditures for Watershed Management have been financed from advances from the operating fund and written off to operations based on volumes of timber removed. At December 31, 1987 the amortized cost of capital works amounted to $5,445,228 and represented the net advance from operations.

In the future, if the program incurs substantial losses or if capital expenditures exceed cash flows from operations, capital funds will be borrowed to repay advances from operations.

The Watershed Management Program carries such indirect costs as watershed security and the Seymour Demonstration Forest Project.

Comments on Watershed Management Budget

The Ministry of Forests and Lands made several major changes in forest policy for B.C. as follows:

Policy Change	Impact on Budget	
1. A new pricing system for timber in the province.	Increased stumpage 4.2 times over 1987 Final Budget	$1,810,200
2. The costs and responsibility for ensuring forests are replaced will shift, by legislation, from the government to the companies harvesting timber.	Increased basic silviculture	100,000
		$1,910,200

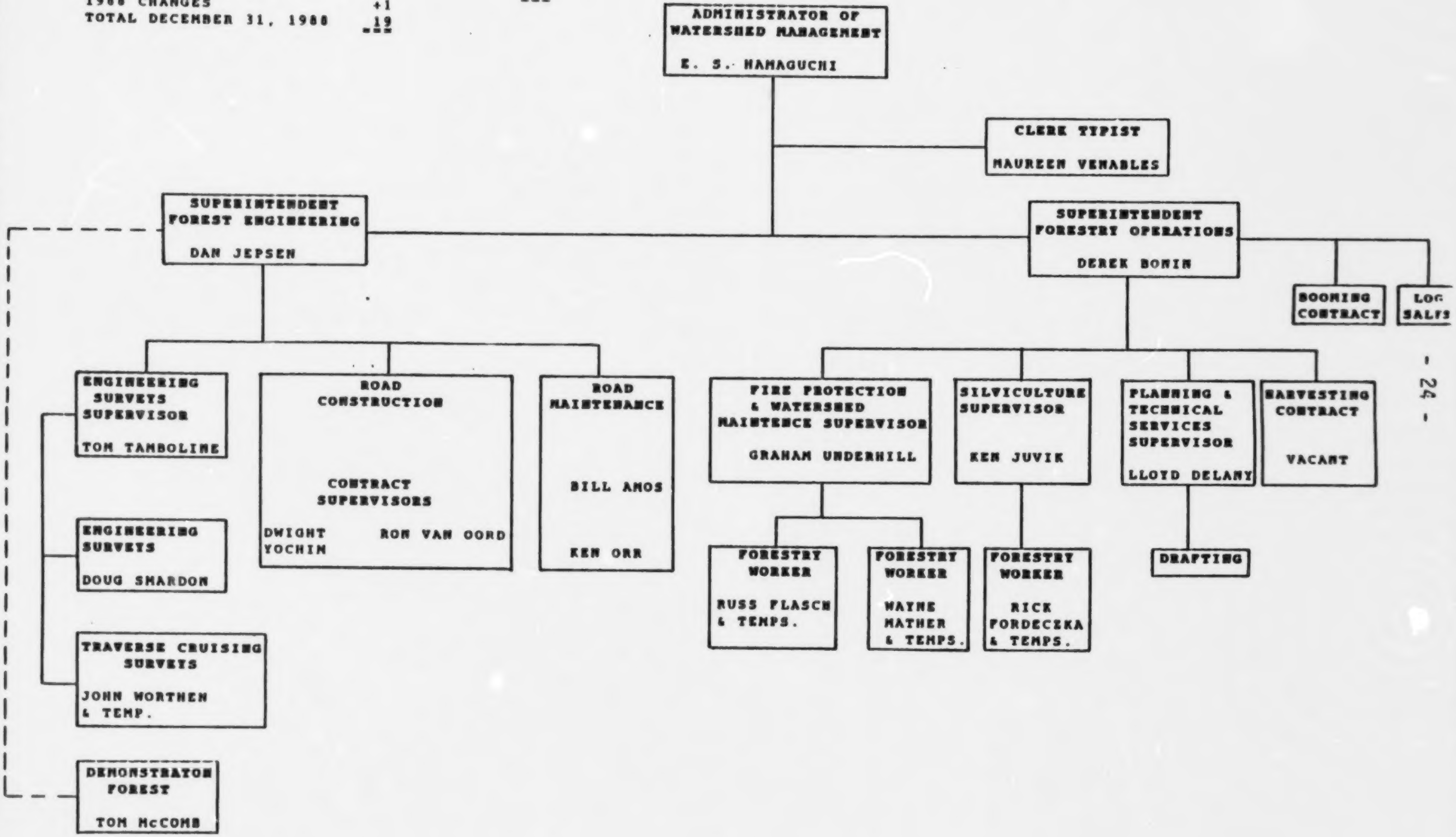
In addition to the increased cost of $1,910,200 over 1987 Final Budget caused by the major shift in Provincial Forest Policy there has been the addition of the Seymour Demonstration Forest at $285,000 and the increased cost of Security of $138,780 for an additional level of security.

A review of the long term financial requirements of the Forestry Department will be completed in 1988.

WATERSHED MANAGEMENT

ORGANIZATIONAL CHART

Staff	APPROVED NUMBERS	ACTUAL
DECEMBER 31, 1987	18	18
1988 CHANGES	+1	
TOTAL DECEMBER 31, 1988	19	


ADMINISTRATOR OF WATERSHED MANAGEMENT
E. S. HAMAGUCHI
CLERK TYPIST
MAUREEN VENABLES
SUPERINTENDENT FOREST ENGINEERING
DAN JEPSEN
SUPERINTENDENT FORESTRY OPERATIONS
DEREK BONIN
BOOMING CONTRACT
LOG SALES
ENGINEERING SURVEYS SUPERVISOR
TOM TAMBOLINE
ROAD CONSTRUCTION
CONTRACT SUPERVISORS
DWIGHT YOCHIM
RON VAN OORD
ROAD MAINTENANCE
BILL AMOS
KEN ORR
ENGINEERING SURVEYS
DOUG SHARDON
TRAVERSE CRUISING SURVEYS
JOHN WORTHEN & TEMP.
DEMONSTRATON FOREST
TOM McCOMB
FIRE PROTECTION & WATERSHED MAINTENCE SUPERVISOR
GRAHAM UNDERHILL
SILVICULTURE SUPERVISOR
KEN JUVIK
PLANNING & TECHNICAL SERVICES SUPERVISOR
LLOYD DELANY
HARVESTING CONTRACT
VACANT
FORESTRY WORKER
RUSS FLASCH & TEMPS.
FORESTRY WORKER
WAYNE MATHER & TEMPS.
FORESTRY WORKER
RICK FORDECZKA & TEMPS.
DRAFTING

Schedule 9

GREATER VANCOUVER WATER DISTRICT

Watershed Management Program
Statement of Logging Income
Year ending December 31, 1988

	1987 Final Budget			1987 Actual			1988 Final Budget		
	FBM	AMOUNT	$ PER MFBM	FBM	AMOUNT	$ PER MFBM	FBM	AMOUNT	$ PER MFBM
LOG SALES	28,000,000	$9,380,000	335.00	24,279,929	$10,957,881	451.31	30,472,008	$11,502,889	377.49
COST OF LOGS SOLD									
Opening Inventory - Booms and Yards	6,982,850	2,048,000	293.29	6,982,850	2,048,000	293.29	8,677,204	3,211,173	370.07
Cost of Logs Produced (Schedule 10)	25,700,000	8,070,381	314.02	25,974,283	9,612,144	370.07	27,794,804	10,115,891	363.95
	32,682,850	10,118,381	309.59	32,957,133	11,660,144	353.80	36,472,008	13,327,064	365.41
Closing Inventory - Booms and Yards	4,682,850	1,470,509	314.02	8,677,204	3,211,173	370.07	6,000,000	2,183,700	363.95
	28,000,000	8,647,872	308.85	24,279,929	8,448,971	347.98	30,472,008	11,143,364	365.69
GROSS PROFIT FROM LOG SALES		732,128			2,508,910			359,525	
GENERAL EXPENSES									
Administration - Labour & Overhead		87,696			115,463			115,000	
- Office & other expenses		71,030			36,372			50,000	
		158,726			151,835			165,000	
Surveys, mapping and cruising		317,276			255,802			310,000	
Property Taxes		270,500			265,737			270,000	
Management Plan		61,796						68,000	
Watershed Research		21,741			15,852			25,000	
Protection Plan & Annual Report		8,279			90,089			10,000	
Demonstration Forest					309,529			285,000	
		838,318			1,088,844			1,133,000	
NET Income (loss) from Logging Operations before interest		(106,190)			1,420,066			(773,475)	
Interest on Funds Employed		50,000			203,487			120,000	
Net logging income (loss) for the year transferred to Reserve for future watershed management program losses		$ (56,190)			$ 1,623,553			$ (653,475)	

Schedule 10

GREATER VANCOUVER WATER DISTRICT

Watershed Management Program
Cost of Logs Produced
Year ending December 31, 1988

	1987 Final Budget			1987 Actual			1988 Final Budget		
	FBM	AMOUNT	$ PER MFBM	FBM	AMOUNT	$ PER MFBM	FBM	AMOUNT	$ PER MFBM
FALLING AND BUCKING									
Opening Inventory - Woods	900,000	$ 16,110	17.90	900,000	$ 16,110	17.90	1,194,804	$ 20,819	17.42
Cost of Falling & Bucking	25,300,000	451,434	17.84	26,269,087	442,137	16.83	28,100,000	508,610	18.10
	26,200,000	467,544	17.85	27,169,087	458,247	16.87	29,294,804	529,429	18.07
Closing Inventory - Woods	500,000	8,920	17.84	1,194,804	20,819	17.42	1,500,000	27,150	18.10
	25,700,000	458,624	17.85	25,974,283	437,428	16.84	27,794,804	502,279	18.07
YARDING, LOADING AND HAULING									
Contract		2,916,950	113.50		2,991,748	115.18		3,194,000	114.91
Spur Logging Roads - Maintenance		675,000	26.26		1,059,542	40.79		560,030	20.15
- Amortization		470,000	18.29		546,477	21.04		400,000	14.39
Main Road Amortization		70,000	2.72		23,550	.90		95,000	3.42
Concrete Bridge Amortization		200,000	7.78		93,721	3.62		70,000	2.52
Clearing Creeks		36,772	1.43		15,132	.58		85,000	3.06
Minor Forest Products & Salvage		4,485	.18		1,526	.06		5,000	0.18
		4,373,207	170.16		4,731,696	182.17		4,409,000	158.63
BOOMING									
Contract Services		350,000	13.62		383,002	14.75		390,000	14.03
Contract Equipment Rentals		30,000	1.17		35,279	1.36		40,000	1.44
Towing and Storage		95,000	3.70		35,283	1.36		80,000	2.88
Land Rental and Taxes		121,000	4.71		182,322	7.02		160,000	5.76
Log Loader		220,000	8.56		217,743	8.38		200,000	7.20
Materials and Supplies (Booming Gear)		50,500	1.96		15,064	.58		15,000	0.54
Beach Yard Maintenance		78,500	3.05		52,338	2.01		50,000	1.80
Amortization of Booming Ground		10,000	.39		2,818	.11		5,000	0.18
Miscellaneous		6,247	.24		23,562	.91		20,000	0.71
		961,247	37.40		947,411	36.48		960,000	34.54
OTHER COSTS									
Stumpage, Royalty & Scaling		549,800	21.39		2,063,247	79.44		2,360,000	84.91
Basic Silviculture - Site preparation & Reforestation		369,369	14.37		231,853	8.93		320,000	11.51
Intensive Silviculture - Thinning, Spacing, Pruning		222,029	8.64		152,593	5.87		310,000	11.15
Watershed Fire Protection		338,605	13.18		260,035	10.01		242,000	8.71
Fire Suppression		20,000	.78		374	0.01		20,000	0.72
Watershed Security (Schedule 11)		777,500	30.25		787,507	30.32		992,612	35.71
		2,277,303	88.61		3,495,609	134.58		4,244,612	152.71
COST OF LOGS PRODUCED		$8,070,381	314.02	25,974,283	$9,612,144	370.07	27,794,804	$10,115,891	363.95

GREATER VANCOUVER WATER DISTRICT

Watershed Security Program
Year Ending December 31, 1988

Purpose

The purpose of the Watershed Security Program is to protect the water supply and water catchment areas by controlling access, by apprehending trespassers and evicting them, and by assuring that the actions of those people working within the watersheds are consistent with District policy, and as such do not threaten the water supply.

Level of Activity

The Watershed Security section maintains a 24-hour guard at the following locations: Seymour Falls Dam, Capilano Watershed, Marion Divide (seasonal), and the Coquitlam Watershed. In addition, the section has been manning the Rice Lake guardhouse for the Seymour Demonstration Forest and will continue to do so in 1988.

In addition to manning the guardhouses, the section carries out vehicular and foot patrols throughout the watersheds, aimed at locating and removing trespassers. During 1987, staffing was increased with the addition of three guards to carry out patrols after normal working hours during the summer months This resulted in a sharp increase in the number of trespassers that were located, the major number being located between 4:00 p.m. and 10:00 p.m. Provision has been made in the 1988 budget to continue these patrols.

Security section is also responsible for maintaining sanitation facilities in the watersheds. This involves supplying each work site with a toilet which is serviced daily, and is moved as the work moves to assure that it remains convenient for use. Toilet wastes are removed by the security staff for incineration outside of the watershed. The Watershed Security Group also maintains surveillance on all work sites to ensure proper storage and handling of petroleum products and wastes to prevent contamination of the water supply.

The security section also identifies problems related to District security facilities and advises on solutions. In this regard, provision has been made in the 1988 budget for upgrading and repair of the fence at the foot of the Grouse Mountain Skyride in North Vancouver.

In addition to the duties performed by field staff, office staff carry out a screening and certification program to determine eligibility of people who must enter the watersheds for work purposes. As many as 1200 applications from employees and non-employees are processed in a year.

In 1987, work commenced on a program to improve the watershed entry process including the production of an educational film which will be shown to all applicants. This program should be completed early in 1988 and will result in better protection of the water at source.

GREATER VANCOUVER WATER DISTRICT

Watershed Security Program
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$510,600	$528,275	$656,183	
Board & rented vehicles	75,200	74,215	75,800	
Mileage	12,400	5,004	520	
Telephone	2,200	2,003	2,200	
Legal	1,000		2,000	
Other services	20,000	15,264	50,000	
Purchased repairs & maintenance	2,500	1,159	2,600	
Materials & supplies	13,200	13,923	14,248	
Gas & electricity	6,700	5,023	6,968	
Provision for equipment replacement	1,000	342	1,000	
Indirect departmental costs allocated	132,700	148,533	191,093	
Recoveries		(6,234)	(10,000)	
	$777,500	$787,507	$992,612	$992,612

MICHAEL J. O'CONNOR
COMMISSIONER

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

ESTABLISHED 1914

4330 KINGSWAY
BURNABY, B.C.
CANADA V5H 4G8
PHONE (604) 432-6200

TO: Executive Committee
FROM: Secretary Treasurer
RE: 1988 Final Budget
DATE: March 15, 1988

The Greater Vancouver Sewerage & Drainage District Final Budget for 1988 is presented for your consideration. It contains no changes to expenditures from the Provisional Budget adopted in December 1987.

1988 Final Budget - Sewerage & Drainage

The Expenditure summary for the 1988 budget compared to 1987 budget and actual, is as follows:

	1987 Budget	1987 Actual	Favourable (Unfavourable) Variance	1988 Final Budget	% Increase over 1987 Budget
GVS&DD Debt Charges	$17,990,474	$17,500,524	$489,950	$19,672,777	+ 9.4%
Recovery	(103,707)	(224,579)	120,872	(56,000)	+46.0%
Total Debt Charges	17,886,767	17,275,945	610,822	19,616,777	+ 9.7%
Administration & General Expense	664,501	720,349	(55,848)	620,797	- 6.6%
Operation & Maintenance	12,721,474	12,534,021	187,453	14,154,878	+11.3%
Research & Development	9,014	930	8,084	60,838	
Total Sewerage & Drainage	31,281,756	30,531,245	750,511	34,453,290	+10.1%
Recycling	100,000	103,759	(3,759)	158,172	+58.2%
Total GVS&DD facilities	31,381,756	30,635,004	746,752	34,611,462	+10.3%
Financing for members	2,090,295	2,065,309	24,986	1,921,522	- 8.1%
Total expenditure	33,472,051	$32,700,313	$771,738	36,532,984	+ 9.1%
Underexpenditure carried forward	(754,405)			(771,738)	
Levy	$32,717,646			$35,761,246	+ 9.3%

The total levies for GVS&DD facilities for 1987 and 1988 by municipality are given in Appendix "D".

Debt Charges

Net debt charges are projected to increase $1,730,010 for District facilities funded through tax requisitions. The major works are the completion of the outfall in the Vancouver sewerage area, the completion of Stage 2 of the Lulu Island plant in that area, and work on the Langley Pump station and forcemain, Cloverdale forcemain, and Serpentine sewer in the Fraser area. Total construction costs are estimated at $9,263,000. Debenture issues are planned in 1988 to fund these and previous projects, and to refinance a 17% five-year debenture matured in 1987 and an 11¼% five-year debenture maturing in 1988.

Operating Costs

The changes in operating costs from the 1987 budget are as follows:

	Administration & General	Operation & Maintenance	Research & Development	Recycling	Total
1987 Final Budget	$664,501	$12,721,474	$ 9,014	$100,000	$13,494,989
1987 Extraordinary Items		(667,003)			(667,003)
Discontinued Programs	(66,151)	(72,404)			(138,555)
1988 Base Budget (before inflation)	598,350	11,982,067	9,014	100,000	12,689,431
1988 Extraordinary Items (Appendix A)		656,469			656,469
Increased Level of Service (Appendix B)	8,800	370,987	50,052	52,823	482,662
New Programs (Appendix C)		664,637			664,637
Inflation	13,647	480,718	1,772	5,349	501,486
1988 Final Budget	$620,797	$14,154,878	$60,838	$158,172	$14,994,685

Levy

The 1988 levy is $35,761,246 up 9.3% from that for 1987 of $32,717,646.

Total Debt Charges

The level of capital expenditures in 1987 was not as great as had been allowed in the budget. Further, interest rates, principal portions and foreign exchange premiums were all lower than the rates used in the 1987 Final Budget. Offsetting these was the failure to complete the sale of the Coquitlam gravel pit until January 1988.

Administration and General Expense

This overexpenditure results largely from the reorganization of Administration Offices and the conversion of assessments by municipality into sewerage areas, offset by lower than anticipated costs for Engineering Administration.

Operation & Maintenance

The underexpenditure of $187,453 is primarily due to savings in electricity and natural gas attributable to the low rainfall during the year which reduced demand on the sewage treatment plants and pumping stations. In addition, electricity costs were reduced because of a higher percentage of cogeneration usage at the Annacis Island plant.

Solid Waste Disposal

The District's solid waste operations will be significantly altered in 1988. One unit of the Burnaby Refuse Incinerator was started up in December 1987 and the plant is expected to be in normal operation around mid 1988. This in turn will spark the conversion of the North Shore Baling Station, run by the District on behalf of the North Shore municipalities, to a transfer station integrated with the District's new operations. Two new transfer stations, in Vancouver and Surrey, will go into operation mid-year, as will a new resource recovery plant in Coquitlam. The budget is also based on the start-up of a remote landfill, also mid-year. The coming on-line of these new facilities will result in a major increase in debt costs met through user charges.

The effect of these new facilities will be a major increase in tonnage from approximately 448,000 actually handled in 1987 to 687,000 tonnes, with a consequent increase in direct operating costs.

A further result of the shift from planning and development is the appearance of an Administration program. This represents the transfer of staff resources currently covered under capital accounts.

A surplus of $1,187,700 from 1987 operations has been set aside in a rate stabilization account to help reduce the impact of these major changes.

Appendix A

GREATER VANCOUVER SEWERAGE & DRAINAGE DISTRICT

Extraordinary Items

Lions Gate STP		
Overhaul of No. 4 digester	$ 16,000	
Reconstruction of administration building	30,000	
		$ 46,000
Lulu Island STP		
Parts for blower, barminutor and centrifuge	78,275	
Fume hood replacement to solve size and venting problems	8,000	
		86,275
Annacis Island STP		
Repair and upgrade of barscreen housings	75,000	
Overhaul of cogeneration system	9,000	
Sludge removal	51,556	
Replacement of impellors	7,000	
Power washer for odour control	5,000	
		147,556
Iona Island STP		
Replacement of tank chains	80,000	
Addition of grating over raw sewage to improve safety	20,000	
Parts for gas and water systems	100,000	
Engine overhaul	57,300	
		257,300
Source Control		
Consulting and legal fees for development of a Source Control by-law		38,000
Sludge Disposal Investigations		81,338
		$656,469

Appendix B

GREATER VANCOUVER SEWERAGE & DRAINAGE DISTRICT

Increased Level of Service

Administration & General

Administration Offices		$ 8,800

Operation & Maintenance

Iona Island Sewage Treatment Plant		
Increase in staff and related costs due to plant expansions	$123,567	
Elimination of chlorine treatment because of outfall opening	(230,000)	
Reduced engine generator usage	(29,250)	
Replacement of barscreen, chains & sprockets	31,507	$(104,176)
Lulu Island STP		
Increase in staff and related costs due to increased plant size		39,279
Annacis Island STP		
Upgrading of digesters	38,000	
Odour control program	47,000	
Additional labour and related costs, primarily required to upgrade pump station maintenance	89,638	
Net decrease in electricity and other costs from cogeneration	(95,900)	78,738
Quality Control/Source Control		
Beach monitoring to assess the impact of the outfall	64,600	
Increased staff and related cost due to increased source control workload	38,554	103,154
Pumping Stations		
Reduced electrical costs from better equipment	(48,000)	
Increase in staff and related costs due to expansion of District's boundaries and aging facilities	94,548	46,548
Engineering labour and related costs resulting from the major new facilities and upgrades recently completed or underway		185,262
Improvement to prevent flooding at William Street and Kyle Street Trunk drains		13,151
Increased costs from operation of new Gleneagles facility		9,031
		$370,987

Research and Development

Increased resources to deal with general comments and questions on solid waste		$ 50,052

Recycling

Increased emphasis on the District's recycling efforts		$ 52,823

Appendix C

GREATER VANCOUVER SEWERAGE & DRAINAGE DISTRICT

New Programs

Operations & Maintenance

Iona Island Effluent Pumping Station

Electricity	$550,000	
Labour and related costs	79,637	
Parts	35,000	
		$664,637

Appendix D

GREATER VANCOUVER SEWERAGE & DRAINAGE DISTRICT

Sewerage & Drainage Facilities
Comparison of 1988 levy to 1987
(excluding financing for members)

Municipality	1987 Levy	1988 Levy	% Increase (Decrease)
Burnaby	$ 4,171,986	$ 4,337,924	4.0
Coquitlam	1,374,726	1,516,190	10.3
Delta	1,582,086	1,574,293	(0.5)
Langley (City)	327,043	358,689	9.7
Langley (District)	593,948	659,338	11.0
Maple Ridge	1,321,958	1,340,629	1.4
New Westminster	1,240,146	1,135,574	(8.4)
North Vancouver (City)	670,362	682,656	1.8
North Vancouver (District)	995,922	1,050,113	5.4
Pitt Meadows	226,908	228,366	0.6
Port Coquitlam	491,535	531,980	8.2
Port Moody	443,694	387,168	(12.7)
Richmond	2,386,100	2,731,443	14.5
Surrey	2,991,611	3,289,674	10.0
U.E.L.	60,679	70,743	16.6
Vancouver	10,726,077	12,777,738	19.1
West Vancouver	792,586	913,582	15.3
White Rock	251,353	278,610	10.8
	$30,648,720	$33,864,710	10.5

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Revenue and Expenditure Budget
Year Ending December 31, 1988

INDEX TO SCHEDULES

			PAGE
		Narrative	1-6
		Organization Chart	7
SCHEDULE	1	Levy for Debt Charges, Administration and Operation and Maintenance Expenses	8
	2	Debenture Debt Charges	9
	3	Debt Charges	11
	4	Distribution of Interest and Debt Retirement Charges - Greater Vancouver Sewerage & Drainage District Facilities	12
	5	Distribution of Interest and Debt Retirement Charges - Financing for Members under Section 7(2)	13
	6	Administration and General Expense Budget	14
	7	Operation and Maintenance Budget - By Program	15
	8	Operation and Maintenance Budget - By Object of Expenditure	16
	9	Distribution of Sewerage & Drainage Expenses	31
	10	Operations & Maintenance Budget	32
	11	Solid Waste Disposal Revenue and Expenditure Budget - By Program	38
	12	Solid Waste Disposal Revenue and Expenditure Budget - By Object of Expenditure	39
	13	North Shore Baling Station Revenue and Expenditure Budget	40
	14	Assessed Values Taxable by Rate for Regional Hospital District Purposes for 1987	41

* * * * *

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Long-Term and Ongoing Role

Liquid and solid waste disposal (i.e. sewage, drainage and solid waste) is carried out by the Sewerage and Drainage District pursuant to the Greater Vancouver Sewerage and Drainage District Act. Membership in this District by municipalities is voluntary; however, once in, there is no provision for opting out. The District is legally obliged to perform in accordance with the Act.

1. Sewage - This program involves the collection, treatment and disposal of sewage from member municipalities in accordance with the 1953 Rawn Engineering Report and subsequent amendments. The collection and disposal is accomplished through a system of trunk and intercepting sewers, pump stations and a treatment plant in each of four Sewerage Areas which cover the entire District.

2. Drainage - This program involves the maintenance and improvement of drainage channels that traverse more than one municipality and that have been designated major drainage facilities as requested by members and approved by the Administration Board. Major drainage facilities are located within established Drainage Areas (areas having a single disposal point).

3. Solid Waste - This program involves the disposal of solid wastes generated by member municipalities who have availed themselves of the District's services.

1988 Short-Term Objectives for Sewerage and Drainage Programs

The long-term and ongoing role will be maintained in 1988 by the following short-term objectives. Some of the objectives are to be accomplished by capital projects, others by the operation and maintenance programs described.

A. General Objectives

1. To prepare a Liquid Waste Management Plan under the provisions of the Waste Management Act, to provide for the current and future requirements of the Region.

   The Plan will cover the collection, treatment and disposal of liquid wastes. Phase I will be completed by summer of 1988 and will culminate in a report presenting a set of realistic waste management options with costs. Phase II would consist of the preparation of a fully developed plan and could take another 2-3 years to complete.

   It is expected that a recommendation of the Phase I report will be that joint studies of combined sewer overflows be carried out by the District and the City of Vancouver to determine the best methods of reducing the impact of sewage overflows to local waters.

B. Treatment Plant Objectives

2. To reduce the impact of effluent discharges on the receiving environment by enlargement and improvement of the treatment plant facilities.

   (a) At Iona Island the Effluent Pumping Station and the Deep Sea Outfall including a new electrical power and water supply will commence operation in early 1988. This will divert effluent from the sensitive Sturgeon Bank area and provide better dilution and dispersion to reduce contaminants to below the toxic level.

   (b) At Lulu Island the construction of a preaeration and sedimentation tank will be completed in the late spring of 1988 to increase treatment capacity to meet future flows.

3. To control operation and maintenance costs by utilizing a computerized preventative maintenance program through acquisition of computers, programs, staff and staff training.

   (a) Commencing in spring 1988 computers will be installed successively at Lulu Island, Annacis Island and Iona Island Sewage Treatment Plants. The computer's data will be accessible to terminals located in the Head Office. The project will continue on into 1989.

4. To maintain structures, equipment and conduits through corrosion control programs.

   (a) Work will continue to apply protective coatings on the inlet works at the Iona Plant and on selected handrails at all four plants that have been damaged by corrosive gases.

5. To replace equipment that has reached the end of its useful life.

   (a) Up to eight impellers will be purchased for the sludge and grit pumps at Annacis Island.

   (b) Up to 114, 6-inch and 8-inch digester circulation valves will be replaced or repaired at Annacis Island.

   (c) Major parts purchases are required to maintain the barminutors and incinerator in operation at Lulu Island.

   (d) A sludge centrifuge at Lulu Island will be overhauled by the manufacturers.

   (e) One set of barscreen chain and sprockets and two sets of chain and sprockets for the grit channels will be purchased for Iona Island.

   (f) The No. 4 digester at Lion's Gate will be removed from service for cleaning. At that time an assessment will be made of equipment condition and the need for replacement.

6. To minimize odor production and attendant corrosion problems through installation of odor control mechanisms, revisions to unit processes and acquisition of temporary help.

   (a) Chemical and operational costs will be incurred to operate a wet-caustic, hydrogen sulfide scrubbing system at Annacis.

   (b) A second wet-caustic scrubbing system will be installed at Annacis at the Influent Control Chamber.

   (c) The digester supernatant piping at Annacis will be re-routed to ensure more thorough mixing with the plant's influent sewage.

   (d) Power washing equipment will be purchased for Annacis Island to thoroughly scour the walls of tankage and operating areas.

   (e) Temporary summer help will be employed at the Iona, Annacis and Lion's Gate Plants for an intense cleaning program during summer months.

7. To minimize sludge disposal costs and produce a valuable resource through sludge recycling.

   (a) At Annacis the second half of the contents of No. 3 sludge lagoon will be removed for on-site drying.

   (b) At Iona the second half of the contents of the S.W. lagoon will be removed for on-site drying.

   (c) A study of suitable dewatering equipment will be carried out to allow the Lion's Gate digested sludge to be dried sufficiently to permit its possible transportation to Iona Island for incorporation into the thermal processing fertilizer facility operated by others at Iona.

   (d) Engineering investigations will be initiated in 1988 to investigate and report on practical processes for the conversion of sewage sludge to a fertilizer product or topsoil.

Review of Prior Year's Objectives for Plants

Capital works to reduce the impact of effluent discharges on the receiving environment and enlarge plant facilities continued in 1987.

- Construction of the Effluent Pumping Station and the Deep Sea Outfall at Iona progressed rapidly throughout the year and will be complete in early spring of 1988.

- Tenders for construction of a third preaeration and sedimentation tank at Lulu Island were returned in late October. The Contractor commenced work in November.

At the Iona Plant all extraordinary cost items identified for 1987, with the exception of grating over new sewage sumps, plus sludge removal (carried over from 1986), were carried out. In addition the following items were carried out as essentials to maintain operation.

- Emergency repairs were carried out on the water supply line to the plant to maintain service until replaced by a new water line installed in November under the Capital Works Program. Backflow prevention devices on the water supply line were overhauled to ensure safe operation.

- Routine inspection of the No. 3 plant inlet, including the inlet shaft and by-pass gates, conduit and the syphon running beneath the North Arm of the Fraser to the plant, revealed damage as a result of corrosion and erosion. The damaged areas were repaired or coated to prevent further attack. The work will continue in 1988.

At the Lion's Gate Plant the identified extraordinary cost items with the exception of reconstruction of the Administration Building exterior were carried out. The upgrading of No. 3 digester (carried over from 1986) was completed. The quantity of inadequately digested material plus plastic, rags and hair encountered during cleaning was so great, that two hundred septic tank truckloads had to be shipped to Iona for disposal in the sludge lagoons.

At Annacis all identified extraordinary cost items plus the carryover from 1986 were carried out.

- It was realized late in 1986 that installation of the Fraser Bridge with high embankments on the north side had resulted in changing air circulation patterns that would lead to major odor complaints. Accordingly a wet caustic scrubber system, to remove hydrogen sulfide from air, was designed and installed. Work will continue on the tuning and expansion of this scrubber system into 1988.

- A major modification at the Sapperton Pump Station that included the installation of new pump check valves and guard valves was carried out.

At Lulu Island there were no extraordinary cost items identified in the budget for 1987. However, early in the year it was discovered that the outfall had been damaged, possibly by a dragging anchor, such that the end of the outfall pipe and one diffuser had been torn away. This was repaired by GVRD crews.

C. Sewer and Pump Station Objectives

8. To maintain the sewage transportation system in operation.

District crews will continue to carry out routine inspections and maintain the approximately 260 miles of large diameter sewers, the many flow-regulating structures and 32 pumping stations and forcemains.

A program to control hydrogen sulphide attack in the larger sewers will be carried out and a program for rehabilitation of damaged sewers will be put into effect.

9. To reduce the risk of overflows due to system malfunction.

A program for timely replacement of old equipment will be put into effect.

Existing equipment will be overhauled and at several pumping stations new equipment will be installed to increase capacity as the demands on the system increase.

Pumps will be replaced at the Kent Street station in Vancouver and at the Royal Avenue station in New Westminster, Fraser Sewerage Area.

Arrangements will be made to provide standby power at the Edgemere station in the Lulu Island Sewerage Area.

The general level of maintenance and inspection of pumping stations will be increased by the addition of a third pump crew and this will also cut down on the unproductive time spent in travel between widely separated locations.

In New Westminster the Glenbrook sewer system will be improved by extending the Glenbrook Diversion to McBride at Columbia to reduce the possibility of sewer overflows.

10. To carry out the District mandate to provide sewer service to new members and to keep pace with development.

Sewage from the District of Langley arriving via new construction and City of Langley sewers, at our existing Langley Pump Station will be handled by the District's system. A new Langley forcemain will be installed and the station upgraded to handle the increased load. A new forcemain will also be installed from the Cloverdale station.

In South Surrey sewer construction will continue, to extend service to the north slope.

Monitoring of flows in the system will continue in order to identify undersized facilities and plan for their timely improvement. Efforts to locate areas of ground water intrusion into the sewers will continue and storm water separation will be stressed.

D. Drainage Objectives

11. To improve the operation and protection against flooding in the surface drainage courses administered by the District.

Automation of the operation of the Cariboo Dam will be completed and brought on line. The operation will be carried out from the Beach Yard Control Centre through leased telephone lines.

Bank and channel repairs and improvements will be carried out as required in the various major drainage courses along with landscaping and general maintenance and brush cutting.

In Port Moody and the north slope of Coquitlam the recommendations of a study now near completion will be reviewed to determine necessary measures to increase the level of flood protection.

Monitoring of peak flows in the major water courses will continue.

Review of Prior Year's Objectives for Sewers, Pump Stations and Drainage

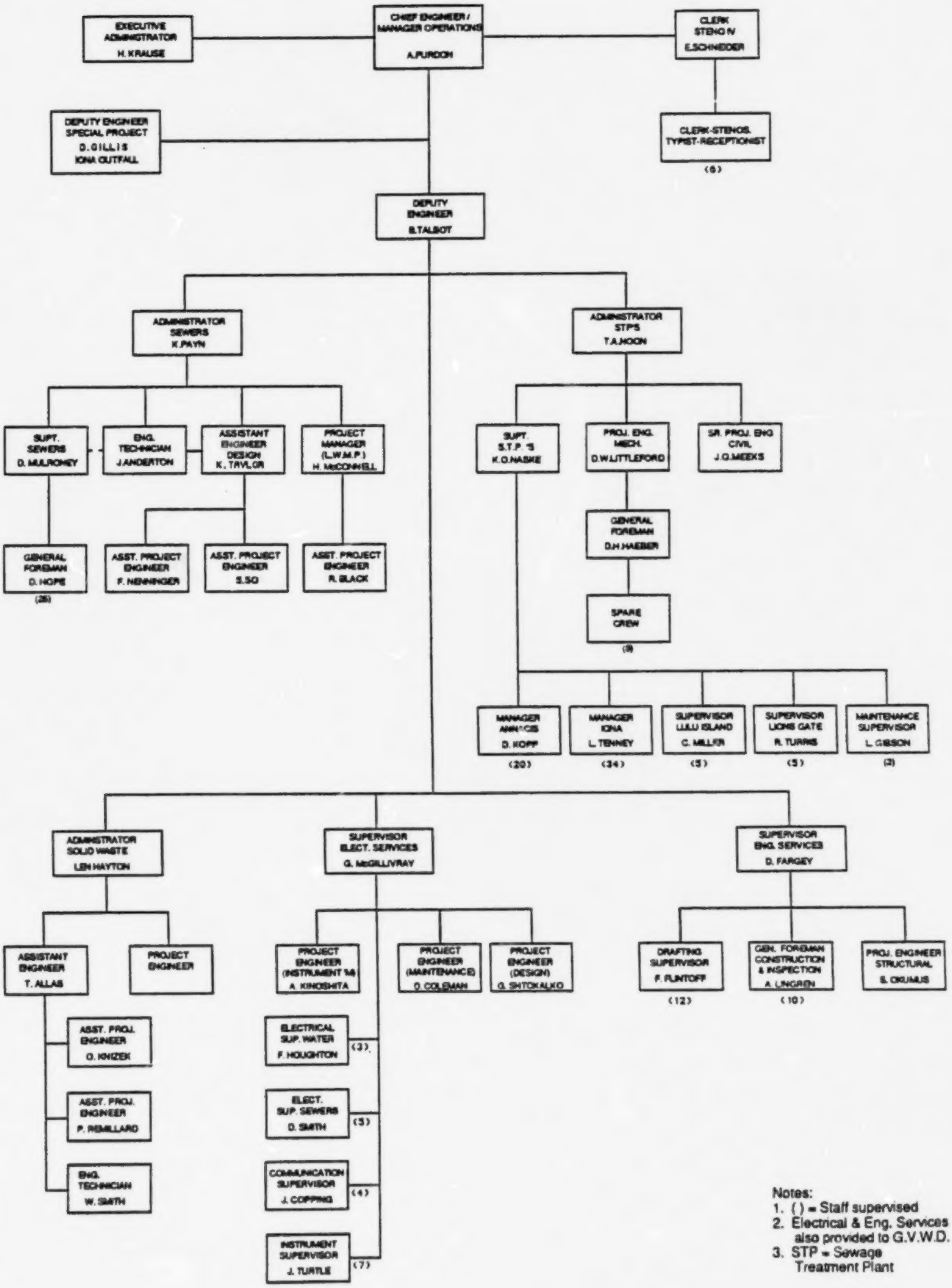
The sewage transportation system was maintained in operation without breakdowns resulting in significant overflows of untreated sewage.

Phase I of the Liquid Waste Management Plan will be substantially complete and incorporated within it is much of the work associated with combined sewer overflows which was originally planned as a separate study.

In South Surrey agreement was reached on improving service; design and construction is in progress with a second sewer crossing of the Serpentine River has been installed. Design of capital projects generated by the entry of the Township of Langley is underway.

Improvements at Cariboo Dam to allow remote operation were completed and a comprehensive study of the Port Moody-Coquitlam drainage area was completed.

GREATER VANCOUVER SEWAGE AND DRAINAGE DISTRICT


EXECUTIVE ADMINISTRATOR H. KRAUSE
CHIEF ENGINEER / MANAGER OPERATIONS A.PURDON
CLERK STENO IV E.SCHNEIDER
CLERK-STENOS. TYPIST-RECEPTIONIST (6)
DEPUTY ENGINEER SPECIAL PROJECT D. GILLIS IONA OUTFALL
DEPUTY ENGINEER B.TALBOT
ADMINISTRATOR SEWERS K.PAYN
ADMINISTRATOR STP'S T.A.HOON
SUPT. SEWERS D. MULRONEY
ENG. TECHNICIAN J.ANDERTON
ASSISTANT ENGINEER DESIGN K. TAYLOR
PROJECT MANAGER (L.W.M.P.) H. McCONNELL
GENERAL FOREMAN D. HOPE (25)
ASST. PROJECT ENGINEER F. NENNINGER
ASST. PROJECT ENGINEER S.SO
ASST. PROJECT ENGINEER R. BLACK
SUPT. S.T.P.'S K.O.NASKE
PROJ. ENG. MECH. D.W.LITTLEFORD
SR. PROJ. ENG CIVIL J.Q.MEEKS
GENERAL FOREMAN D.H.HAEBER
SPARE CREW (9)
MANAGER ANNACIS D. KOPP (20)
MANAGER IONA L. TENNEY (34)
SUPERVISOR LULU ISLAND C. MILLER (5)
SUPERVISOR LIONS GATE R. TURRIS (5)
MAINTENANCE SUPERVISOR L. GIBSON (3)
ADMINISTRATOR SOLID WASTE LEN HAYTON
SUPERVISOR ELECT. SERVICES G. McGILLIVRAY
SUPERVISOR ENG. SERVICES D. FARGEY
ASSISTANT ENGINEER T. ALLAS
PROJECT ENGINEER
ASST. PROJ. ENGINEER O. KNIZEK
ASST. PROJ. ENGINEER P. REMILLARD
ENG. TECHNICIAN W. SMITH
PROJECT ENGINEER (INSTRUMENT 14) A. KINOSHITA
PROJECT ENGINEER (MAINTENANCE) D. COLEMAN
PROJECT ENGINEER (DESIGN) G. SHTOKALKO
ELECTRICAL SUP. WATER F. HOUGHTON (3)
ELECT. SUP. SEWERS D. SMITH (5)
COMMUNICATION SUPERVISOR J. COPPING (4)
INSTRUMENT SUPERVISOR J. TURTLE (7)
DRAFTING SUPERVISOR F. FLINTOFF (12)
GEN. FOREMAN CONSTRUCTION & INSPECTION A. LINGREN (10)
PROJ. ENGINEER STRUCTURAL S. OKUMUS

Notes:
1. ( ) = Staff supervised
2. Electrical & Eng. Services also provided to G.V.W.D.
3. STP = Sewage Treatment Plant

Schedule 1

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Revenue & Expenditure Budget
Levy for Debt Charges,
Administration and
Operation & Maintenance Expenses

Year Ending December 31, 1988

1987 Actual		Requirements for the Year Ending December 31, 1988	% Change over 1987 Final Budget	(Underexpended) Overexpended in 1987	1988 Levy
	GVS&DD Facilities Sewerage & Drainage Debt Charges				
$17,500,524	GVS&DD Debt Charges (Sch. 4)	$19,672,777	+ 9.4	$(489,950)	$19,182,827
(224,579)	Recovery - Interest earned less Sundry Financial Charges	(56,000)		(120,872)	(176,872)
17,275,945	TOTAL DEBT CHARGES	19,616,777	+ 9.7	(610,822)	19,005,955
720,349	Administration & General Expense (Sch. 6)	620,797	- 6.6	55,848	676,645
12,534,021	Operation & Maintenance (Sch. 7)	14,154,878	+11.3	(187,453)	13,967,425
930	Research & Development	60,838		(8,084)	52,754
30,531,245	Total Sewerage & Drainage	34,453,290	+10.1	(750,511)	33,702,779
103,759	Recycling Program	158,172	+58.2	3,759	161,931
30,635,004	Total GVS&DD facilities	34,611,462	+10.3	(746,752)	33,864,710
2,065,309	Financing for Members under Section 7(2) Debt Charges (Sch. 4)	1,921,522	- 8.1	(24,986)	1,896,536
32,700,313		$36,532,984	+ 9.1	$(771,738)	$35,761,246
(754,405)	1986 underexpenditure carried forward				
31,945,908					
32,717,646	1987 Levy				
$ (771,738)	1987 Unexpended				

Burnaby	Coquitlam	Delta	Langley (City)	Langley (Dist.)	Maple Ridge	New Westminster	N. Van. City	N. Van. Dist.	Pitt Meadows	Port Coquitl
$2,522,213	$ 872,740	$ 922,243	$210,501	$384,602	$1,137,580	$ 758,688	$237,311	$ 365,532	$193,014	$312,3
(23,765)	(8,867)	(7,786)	(1,774)	(3,261)	(6,631)	(5,616)	(3,376)	(6,272)	(1,129)	(2,6
2,498,448	863,873	914,457	208,727	381,341	1,130,949	753,072	233,935	359,260	191,885	309,7
75,477	26,322	32,143	6,497	15,741	11,075	16,413	20,500	31,803	2,345	9,6
1,740,052	617,644	617,495	141,403	257,262	195,092	360,881	421,717	648,960	33,392	209,5
5,884	2,052	2,506	507	1,227	863	1,280	1,598	2,479	183	7
4,319,861	1,509,891	1,566,601	357,134	655,571	1,337,979	1,131,646	677,750	1,042,502	227,805	529,6
18,063	6,299	7,692	1,555	3,767	2,650	3,928	4,906	7,611	561	2,3
4,337,924	1,516,190	1,574,293	358,689	659,338	1,340,629	1,135,574	682,656	1,050,113	228,366	531,9
467,042	276,612							217,909		
$4,804,966	$1,792,802	$1,574,293	$358,689	$659,338	$1,340,629	$1,135,574	$682,656	$1,268,022	$228,366	$531,9

Schedule 1

n. .	Pitt Meadows	Port Coquitlam	Port Moody	Richmond	Surrey	U.E.L.	Vancouver	West Vancouver	White Rock
,532	$193,014	$312,360	$206,716	$1,091,929	$1,930,959	$40,625	$ 7,454,039	$ 378,148	$163,627
,272)	(1,129)	(2,631)	(2,077)	(14,826)	(16,427)	(350)	(63,197)	(7,509)	(1,378)
,260	191,885	309,729	204,639	1,077,103	1,914,532	40,275	7,390,842	370,639	162,249
,803	2,345	9,660	6,225	61,338	60,937	1,478	268,727	24,967	4,997
,960	33,392	209,526	174,329	1,573,541	1,294,871	28,521	5,032,907	510,054	109,778
479	183	753	485	4,782	4,751	115	20,952	1,947	390
502	227,805	529,668	385,678	2,716,764	3,275,091	70,389	12,713,428	907,607	277,414
611	561	2,312	1,490	14,679	14,583	354	64,310	5,975	1,196
113	228,366	531,980	387,168	2,731,443	3,289,674	70,743	12,777,738	913,582	278,610
909			32,608	266,298	31,498			604,569	
022	$228,366	$531,980	$419,776	$2,997,741	$3,321,172	$70,743	$12,777,738	$1,518,151	$278,610

Schedule 2

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT
DEBENTURE DEBT CHARGES
YEAR ENDING DECEMBER 31, 1988

SINKING FUND DEBENTURES

ISSUE NUMBER	BY-LAW NUMBER	RATE	MATURITY DATE	DEBT RETIREMENT	INTEREST	TOTAL
41	64	5.5	May 1, 1991	$ 56,428	$ 129,250	$ 185,678
47	75	7.5	Jul. 15, 1989-1994	8,454	259,821	268,275
48	78	9.5	Jan. 15, 1995		256,500	256,500
49	82	9.5	May 1, 1990		380,000	380,000
50	88	9.25	Oct. 1, 1995	62,857	277,500	340,357
53A	89	8.0	May 15, 1991	206,553	207,840	414,393
57B	93	7.75	Apr. 15, 1992	204,883	199,718	404,601
74B	114	9.5	Apr. 15, 1995	159,009	190,000	349,009
95	138	11.25	Sep. 15, 1988	282,739	792,123	1,074,862
96	140	12.75	Oct. 15, 1989	180,000	765,000	945,000
97		9.0	Aug. 15, 1991	700,000	2,700,000	3,400,000
				1,860,923	6,157,752	8,018,675

SERIAL DEBENTURES

ISSUE NUMBER	BY-LAW NUMBER	RATE	MATURITY DATE	DEBT RETIREMENT	INTEREST	TOTAL
22	32	5.125	Jan. 1, 1988-2002	2,301	2,313	4,614
23	33	5.125	Jul. 1, 1988-2002	1,672	1,767	3,439
24	37	5.25-5.5	Mar. 1, 1988-1988	46,230	2,607	48,837
25	38	5.375	Oct. 1, 1988-2002	9,164	10,604	19,768
26	39	5.125	Jan. 1, 1988-2003	2,041	2,263	4,304
27	40	5.125	Jan. 1, 1988-2003	2,777	3,080	5,857
28	42	5.125	Jan. 1, 1988-2003	1,503	1,667	3,170
29	43	5.125	Jul. 1, 1988-2003	107,488	125,041	232,529
30	44	5.5	Dec. 2, 1988-1988	227,617	12,519	240,136
31	46	5.125	Jul. 1, 1988-2003	2,275	2,646	4,921
32	50	5.0-5.25	Jun. 15, 1988-1989	127,288	9,777	137,065
33	51	5.125	Jan. 1, 1988-2004	13,801	16,820	30,621
34	54	5.5	Nov. 16, 1988-1989	236,268	25,108	261,376
35	55	5.375	Jan. 1, 1988-2005	8,273	11,839	20,112
36	57	5.375	Jul. 1, 1988-1990	1,018	142	1,160
37	58	5.375	Jul. 1, 1988-1990	2,478	345	2,823
38	59	5.5	Jul. 2, 1988-1990	130,510	18,498	149,008
39	60	5.125	Jul. 1, 1988-2005	65,922	91,876	157,798
40	61	5.375	Dec. 1, 1988-2005	3,343	5,197	8,540
42	65	5.375	Jan. 1, 1988-2006	11,954	18,690	30,644
43	69	6.0	May 1, 1988-1992	151,041	43,516	194,557
44	70	5.375	Jan. 1, 1988-2007	24,161	41,149	65,310
45	71	6.125	Jan. 1, 1988-2007	868	1,823	2,691
46	72	6.0	Jul. 1, 1988-2007	1,449	3,072	4,521
51	90	6.875	Sep. 1, 1988-1990	8,681	1,709	10,390
			Carried Forward	1,190,123	454,068	1,644,191

Schedule 2
(Cont'd.)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT
DEBENTURE DEBT CHARGES
YEAR ENDING DECEMBER 31, 1988

SERIAL DEBENTURES

ISSUE NUMBER	BY-LAW NUMBER	RATE	MATURITY DATE	DEBT RETIREMENT	INTEREST	TOTAL
			Brought Forward	$1,190,123	$ 454,068	$ 1,644,191
52	91	6.875	Jan. 1, 1988-1991	7,096	1,448	8,544
54	94	7.875	Jan. 1, 1988-1992	33,639	12,177	45,816
55	94	8.25	Jan. 1, 1988-1992	29,038	11,086	40,124
56	94	8.25	Jan. 1, 1988-1992	26,190	9,999	36,189
58	103	6.875	Jan. 1, 1988-1992	112,309	32,381	144,690
59B	102	8.0	Feb. 15, 1988-1993	205,027	98,701	303,728
60B	104	8.25	Jul. 2, 1988-1993	266,529	145,418	411,947
61	106	7.25	Jan. 1, 1988-1993	36,767	15,726	52,493
62	106	7.25	Jan. 1, 1988-1993	33,511	14,334	47,845
63	106	7.5	Jan. 1, 1988-1993	26,824	11,938	38,762
64	106	6.875	Jan. 1, 1988-1993	282,381	106,856	389,237
65	108	7.875	Jan. 1, 1988-1993	43,547	20,527	64,074
66	108	8.25	Jan. 1, 1988-1993	29,382	14,636	44,018
67	108	7.5	Jan. 1, 1988-1993	22,891	10,187	33,078
68	109	7.875	Jan. 1, 1988-1993	153,943	72,565	226,508
69	108	7.5	Jul. 1, 1988-1993	19,858	9,885	29,743
70	108	7.625	Jul. 1, 1988-1993	49,804	25,284	75,088
71	110	7.875	Jan. 1, 1988-1994	36,047	21,251	57,298
72	110	7.5	Jan. 1, 1988-1994	33,346	18,522	51,868
73	110	7.5	Jan. 1, 1988-1994	144,015	79,994	224,009
75	115	7.5	Jan. 1, 1988-1995	83,041	55,995	139,036
76	115	7.5	Jan. 1, 1988-1995	30,002	20,231	50,233
77	115	7.5	Jan. 1, 1988-1995	108,952	73,466	182,418
78	115	7.625	Jan. 1, 1988-1995	133,918	92,200	226,118
79	117	7.5	Jul. 1, 1988-1995	211,308	155,393	366,701
80	117	7.0	Jul. 1, 1988-1995	56,317	37,951	94,268
81	117	7.625	Jan. 1, 1988-1996	136,378	111,786	248,164
82	117	8.0	Jan. 1, 1988-1996	123,886	108,150	232,036
83	117	10.0	Jan. 1, 1988-1996	3,257	3,852	7,109
84	117	10.375	Jan. 1, 1988-1996	2,813	3,505	6,318
85	118	9.5	May 5, 1988-1996	350,000	277,433	627,433
86	119	7.875	Jul. 1, 1988-1995	41,279	32,317	73,596
87	119	8.0	Jan. 1, 1988-1996	39,441	34,431	73,872
88	121	8.875-9.375	Nov. 1, 1988-1997	139,173	196,229	335,402
89	124	7.625	Jan. 1, 1988-1997	221,765	213,132	434,897
90	125	8.0-9.75-10.5	Jan. 1, 1988-1998	126,450	209,699	336,149
91	126	9.625-10.0	Jan. 1, 1988-1999	20,396	38,167	58,563
92	127	10.0	Jan. 1, 1988-2000	62,782	139,695	202,477
93	128	11.75-12.0-12.5	Sep. 15, 1988-2000	400,000	629,797	1,029,797
				5,073,425	3,620,412	8,693,837
				$6,934,348	$9,778,164	$16,712,512

Schedule 3

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Debt Charges
Year Ending December 31, 1988

1987 Actual	Debenture Debt	1988 Budget		
		Debt Retirement	Interest	Total
$18,487,245	Greater Vancouver Sewerage & Drainage District Debenture Debt (Sch. 2)	$6,934,348	$ 9,778,164	$16,712,512
453,272	Premium on U.S. Funds	125,459	324,841	450,300
	Proposed debenture issues			
	- new issues	1,038,317	6,093,755	7,132,072
	- refinancing issue #95	118,356	245,074	363,430
18,940,517		8,216,480	16,441,834	24,658,314
	Debt charges assumed re members' facilities			
1,979	City of Port Coquitlam	7,421	1,565	8,986
7,020	City of Langley	28,071	50,529	78,600
4,343,926	Interest on temporary capital borrowing		4,501,823	4,501,823
23,293,442	TOTAL DEBT CHARGES	8,251,972	20,995,751	29,247,723
	Less			
--	Interest on Mortgage		(255,000)	(255,000)
(21,430)	Surplus on maturity of sinking fund			
(3,262,788)	Interest charged to construction projects		(3,117,155)	(3,117,155)
(414,676)	Solid waste operations	(667,460)	(3,592,709)	(4,260,169)
(28,715)	Debt charges recovered from non-members	(7,100)	(14,000)	(21,100)
$19,565,833	NET DEBT CHARGES	$7,577,412	$14,016,887	$21,594,299

Schedule 4

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Distribution of Interest and Debt Retirement Charges Year Ending December 31, 1988

1987 Actual		Requirements for the Year Ending December 31, 1988	(Underexpended) Overexpended in 1987	1988 Levy
	Sewerage Areas			
	Fraser			
$7,123,081	- General Facilities	$ 7,395,687	$(137,993)	$ 7,257,694
1,040,209	- Maple Ridge/Pitt Meadows Facilities	989,948	(700)	989,248
691,163	Lulu Island West	855,894	(25,612)	830,282
	North Shore			
81,155	- Gleneagles Interceptor	96,187	(5,293)	90,894
752,313	- Other Facilities	755,608	(4,754)	750,854
6,200,573	Vancouver	8,127,628	(571,221)	7,556,407
	Drainage Areas			
503	Byrne Road	527	(24)	503
(17,626)	Kyle Street	1,466	(957)	509
4,478	Musqueam	4,480		4,480
5,174	Schoolhouse	5,174		5,174
(8)	University		(8)	(8)
	Still Creek-Brunette River			
244,052	- General	250,734	5,598	256,332
227,565	- Lower Brunette	223,463	(1,352)	222,111
596	William Street	624	(27)	597
	General			
90,326	Investigations, contribution to equipment fund, updating Rawn Report & construction facilities	202,919	(4,163)	198,756
21,808	Solid Waste Disposal Plan	38,326	(9,636)	28,690
1,035,162	Land Improvement Fund	724,112	266,192	990,304
17,500,524	Total Relative to District's Facilities	19,672,777	(489,950)	19,182,827
2,065,309	Financing for members under Section 7(2) (Schedule 5)	1,921,522	(24,986)	1,896,536
$19,565,833	TOTAL (Schedule 3)	$21,594,299	$(514,936)	$21,079,363

Burnaby	Coquitlam	Delta	Langley (City)	Langley (District)	Maple Ridge	New Westminster	N. Van. (City)	N. Van. (Dist.)	Pitt Meadows	Port Coquitla
$1,629,794	$803,260	$ 864,319	$199,085	$356,940	$ 271,840	$502,985	$	$	$ 45,924	$294,95
					846,279				142,969	
							200,369	308,222		
572,721										
502						1				
	233									
	2,478									
183,186	19,093					4,014				
						222,111				
	243									
22,170	7,732	9,442	1,908	4,624	3,253	4,821	6,022	9,342	689	2,83
3,376	1,177	1,438				734	917	1,423		43
110,464	38,524	47,044	9,508	23,038	16,208	24,022	30,003	46,545	3,432	14,13
$2,522,213	$872,740	$ 922,243	$210,501	$384,602	$1,137,580	$758,688	$237,311	$365,532	$193,014	$312,36

Schedule 4

	Port Coquitlam	Port Moody	Richmond	Surrey	U.E.L.	Vancouver	West Vancouver	White Rock
4	$294,951	$190,757	$ 41,192	$1,821,134	$	$ 80,891	$	$154,622
9								
			830,282					
							90,894	
							242,263	
			109,923		37,970	6,835,793		
		276						
						4,480		
		2,696						
					(8)			
		1,417				48,622		
		354						
	2,838	1,828	18,017	17,900	434	78,934	7,334	1,468
	433	278	2,744	2,741	66	12,022	1,117	224
	14,138	9,110	89,771	89,184	2,163	393,297	36,540	7,313
	$312,360	$206,716	$1,091,929	$1,930,959	$40,625	$7,454,039	$378,148	$163,627

Schedule 5

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Distribution of Interest and Debt Retirement Charges For Financing Under Section 7(2) Year Ending December 31, 1988

		Requirements for the Year Ending December 31, 1988	(Underexpended) Overexpended in 1987	1988 Levy
District of Burnaby	5	$ 104,968	$	$ 104,968
	6	135,194		135,194
	7	136,833	(5,050)	131,783
	8	97,746	(2,649)	95,097
		474,741	(7,699)	467,042
District of Coquitlam	2	66		66
	3	28,794		28,794
	4	45,624		45,624
	5	32,818	(1,233)	31,585
	6	57,774		57,774
	7	15,990		15,990
	8	15,714		15,714
	9	35,681		35,681
	10	45,384		45,384
		277,845	(1,233)	276,612
District of North Vancouver	1	67,361		67,361
	2	104,417	(2,270)	102,147
	3	50,103	(1,702)	48,401
		221,881	(3,972)	217,909
City of Port Moody	1	33,559	(951)	32,608
Township of Richmond	1	25,744	(850)	24,894
	2	19,484	(566)	18,918
	3	46,263		46,263
	4	95,213		95,213
	5	37,340		37,340
	6	43,670		43,670
		267,714	(1,416)	266,298
District of Surrey	1	32,517	(1,019)	31,498
District of West Vancouver	2	1,321		1,321
	3	12,576		12,576
	4	26,185		26,185
	5	24,358		24,358
	6	11,876		11,876
	7	396,472	(8,696)	387,776
	8	140,477		140,477
		613,265	(8,696)	604,569
		$1,921,522	$(24,986)	$1,896,536

Schedule 6

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Administration
and General Expense Budget
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Administration				
Allocated from Greater Vancouver Regional District				
- Administration offices	$ 198,200	$ 216,356	$ 213,200	$
- Corporate Services	309,500	341,900	251,500	
- Central administrative services	54,150	54,150	59,100	
Sewerage Area assessment database	13,800	29,282	14,071	
Engineering administration	58,351	42,867	51,726	
	634,001	684,555	589,597	589,597
General				
Legal	10,000	16,382	10,400	
Audit	13,000	12,522	13,000	
Travel	3,000		3,120	
Miscellaneous	4,500	6,890	4,680	
	30,500	35,794	31,200	31,200
TOTAL	$ 664,501	$ 720,349	$ 620,797	$ 620,797

Schedule 7

GREATER VANCOUVER SEWERAGE & DRAINAGE DISTRICT

Operation & Maintenance Budget
By Program
Year Ending December 31, 1988

	Sch	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Sewer Treatment Plants					
Annacis Island STP	8(a)	$ 2,577,692	$ 2,437,397	$ 2,887,715	$
Northwest Langley STP		200,000	209,657	208,000	
Iona Island STP	8(a)	3,052,404	3,154,999	3,730,891	
Lions Gate STP	8(a)	1,018,433	930,093	1,025,574	
Lulu Island STP	8(a)	828,464	878,321	1,010,921	
Sub-total		7,676,993	7,610,467	8,863,101	
Pumping Stations	8(b)	1,762,518	1,682,252	1,876,777	
Trunks & Interceptors	8(c)	857,341	914,960	913,215	
Drainage Facilities	8(d)	355,353	362,022	292,815	
General Maintenance		308,594	327,447	314,559	
Engineering	8(e)	313,675	344,990	261,256	
Quality Control	8(f)	811,500	746,417	1,034,490	
Source Control	8(g)	635,500	545,466	598,665	
		$12,721,474	$12,534,021	$14,154,878	$14,154,878

Schedule 8

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Operation and Maintenance Budget
By Object of Expenditure
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries, wages & employee benefits	$ 5,735,771	$ 5,643,335	$ 6,227,460	$
Materials & supplies	1,173,500	1,227,363	1,597,557	
Other services	184,210	290,085	214,308	
Contracted services	200,000	214,972	208,000	
Consultants	116,149	85,940	90,635	
Vehicle & equipment rentals	476,300	569,845	476,555	
Repairs & maintenance	116,550	145,379	156,468	
Fuel oil & lubricants	334,450	314,410	361,520	
Natural gas	200,500	113,008	190,528	
Electricity	1,585,800	1,313,335	2,066,376	
Chlorine & sulphur dioxide	483,500	505,779	263,640	
Water	162,950	232,186	168,896	
Telephone	46,750	41,549	47,004	
Insurance	110,600	124,344	115,960	
Janitor service	4,600	3,821	3,432	
Land taxes & rentals	258,196	179,609	277,820	
Provision for equipment replacement	33,450	45,239	33,450	
Provision for contingencies				
Deep Sea Outfall Monitoring	211,000	176,858	346,306	
Costs allocated				
Beach yard control system	184,600	161,815	172,576	
Radio communications	42,000	57,985	52,648	
Indirect departmental costs	1,186,598	1,247,802	1,198,421	
	12,847,474	12,694,659	14,269,560	14,269,560
Less: Recoveries	126,000	160,638	114,682	114,682
	$12,721,474	$12,534,021	$14,154,878	$14,154,878

Schedule 8(a)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Annacis Island Sewage Treatment Plant

Purpose/Level of Activity

The expenditures are associated with the treatment and disposal of primary sewage and sludge originating in Burnaby, Coquitlam, Delta, Langley City, Maple Ridge, New Westminster, Pitt Meadows, Port Coquitlam, Port Moody, Surrey, White Rock and a small portion of Vancouver and will also receive flow from East Richmond and Langley District later in 1988.

Increased allowances for materials and supplies and temporary summer help to operate and expand odor control facilities and upgrade existing facilities are included in the 1988 budget. An additional mechanic, who will primarily be employed as part of a team to service sewage pump stations throughout the District, will be acquired in 1988.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$1,117,950	$1,069,434	$1,280,403	$
Vehicles & equipment rentals	98,850	155,216	138,445	
Natural gas	5,600	7,224	5,824	
Electricity	425,000	270,151	338,000	
Chlorine & sulphur dioxide	165,000	181,130	171,600	
Water	59,500	68,691	61,880	
Purchased repairs & maintenance	34,150	33,297	35,516	
Parts, materials & supplies	317,000	349,676	471,880	
Lubricants	26,000	18,335	35,776	
Fuel oil	6,500	9,901	11,440	
Other services	33,780	31,937	34,287	
Insurance	22,100	28,581	23,920	
Property taxes	83,900	7,815	87,256	
Telephone	9,000	7,836	9,000	
Provision for equipment replacement	5,500	24,910	5,500	
Indirect departmental costs allocated	167,862	173,263	176,988	
	$2,577,692	$2,437,397	$2,887,715	$2,887,715

Schedule 8(a)
(Continued)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Iona Island Sewage Treatment Plant

Purpose/Level of Activity

The expenditures are associated with the treatment and disposal of primary sewage and sludge originating in Vancouver, the University Endowment Lands, portions of Burnaby, Richmond (Twigg/Mitchell Islands), and Vancouver International Airport.

The plant also operates a septic-tank truck dumping facility that provides service for non-sewered residences and industry located in the Regional District. This service is provided at a fee such that the charges match the cost of operations and maintenance of the facility.

The completion of the Effluent Pump Station and Deep Sea Outfall in 1988 has resulted in increased allowances for staff, maintenance and power.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Treatment Plant Operation				
Salaries & employee benefits	$ 649,335	$ 673,231	$ 716,666	$
Vehicle & equipment rentals	20,250	21,063	20,250	
Water	37,000	107,374	38,480	
Chlorine & sulphur dioxide	230,000	241,176		
Telephone	750	487		
Insurance	300	254	312	
Purchased repairs & maintenance	200	139		
Parts, materials & supplies	8,700	18,543	26,208	
Fuel oil	1,000	5,735	1,040	
Other services	950	1,151	780	
Electricity			572,000	
Provision for equipment replacement	11,500	5,716	11,500	
Indirect departmental costs allocated	91,117	97,016	96,327	
	1,051,102	1,171,885	1,483,563	1,483,563
Treatment Plant Maintenance				
Salaries & employee benefits	481,291	491,129	480,523	
Vehicle & equipment rentals	103,050	125,825	49,930	
Purchased repairs & maintenance	17,500	53,323	36,400	
Parts, materials & supplies	327,900	306,559	449,183	
Fuel oil	13,500	8,936	13,520	
Lubricants	5,500	2,083	5,720	
Other services	11,300	53,262	11,542	
Provision for equipment replacement	750	2,750	750	
Indirect departmental costs allocated	72,256	81,112	75,967	
	1,033,047	1,124,979	1,123,535	1,123,535

(Continued)

Schedule 8(a)
(Continued)

GREATER VANCOUVER SEWERAGE & DRAINAGE DISTRICT

Iona Island Sewage Treatment Plant (continued)

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Power Plant Operation				
Salaries & employee benefits	$ 217,932	$ 237,569	$ 203,072	$
Vehicle & equipment rentals	700	722		
Fuel oil	171,950	139,802	166,400	
Natural gas	167,300	87,808	156,000	
Lubricants	28,000	10,638	29,120	
Purchased repairs & maintenance	200	426	208	
Parts, materials & supplies	1,200	2,320	1,248	
Other services	1,100	388	1,144	
Indirect departmental costs allocated	30,470	34,876	28,095	
	618,852	514,549	585,287	
Less: Recoveries		10,254	16,066	
		504,295	569,221	569,221
Power Plant Maintenance				
Salaries & employee benefits	89,735	78,720	91,379	
Vehicle & equipment rentals	1,400	843	1,400	
Purchased repairs	24,300	12,609	25,272	
Parts, materials & supplies	34,800	89,544	95,368	
Other services	1,150	1,976	2,860	
Indirect departmental costs allocated	12,556	11,717	12,213	
	163,941	195,409	228,492	228,492
General				
Salaries & employee benefits	155,218	153,192	237,526	
Vehicle & equipment rentals	12,550	11,554	12,550	
Telephone	4,850	4,387	4,852	
Insurance	27,900	28,420	28,912	
Property taxes & land rentals	21,800	20,576	22,672	
Materials & supplies	22,100	7,800	10,504	
Other services	8,150	10,418	12,951	
Purchased repairs	200	486	520	
Indirect departmental costs allocated	27,294	27,248	63,357	
Provision for equipment replacement	1,500	228	1,500	
	281,562	264,309	395,344	
Less: Recoveries	96,100	105,878	69,264	
	185,462	158,431	326,080	326,080
TOTAL	$3,052,404	$3,154,999	$3,730,891	$3,730,891

Schedule 8(a)
(Continued)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Lions Gate Sewage Treatment Plant

Purpose/Level of Activity

The expenditures are associated with the treatment and disposal of primary sewage and sludge originating in West Vancouver, and in the City and District of North Vancouver.

The Plant's No. 4 digester will be cleaned and overhauled by District staff in 1988 and to maintain odor control generally, a temporary utility man will be employed during the summer.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$ 436,749	$ 381,536	$ 421,238	$
Vehicle & equipment rentals	35,900	23,198	35,900	
Water	30,000	24,159	31,200	
Natural gas	7,900	2,734	8,216	
Electricity	127,500	114,364	132,600	
Chlorine & sulphur dioxide	28,500	23,324	29,640	
Purchased repairs & maintenance	14,500	18,282	16,640	
Insurance	8,200	9,054	8,528	
Janitor service	1,300		1,352	
Lubricants	5,600	5,486	5,824	
Parts, materials & supplies	115,300	131,748	111,904	
Fuel oil		5,373	5,200	
Land rentals	90,168	78,124	93,775	
Telephone	3,050	3,235	3,052	
Other services	44,750	38,913	47,576	
Property tax		9,301	9,723	
Provision for equipment replacement	3,000	2,546	3,000	
Indirect departmental costs allocated	66,016	58,716	60,206	
	$1,018,433	$ 930,093	$1,025,574	$1,025,574

Schedule 8(a)
(Continued)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Lulu Island Sewage Treatment Plant

Purpose/Level of Activity

The expenditures are associated with the treatment and disposal of primary sewage and sludge originating in the West End of the Municipality.

A new staff member will be added in 1988 in light of the expansion to the Plant's preaeration and sedimentation tank facilities and increasing activities with respect to odor control.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$ 336,832	$ 353,559	$ 407,207	$
Vehicle & equipment rentals	25,550	28,266	25,550	
Fuel oil	68,000	97,331	78,000	
Natural gas	17,500	13,526	18,200	
Electricity	123,500	106,724	128,440	
Chlorine & sulphur dioxide	60,000	59,025	62,400	
Water	23,300	23,123	24,232	
Purchased repairs	5,300	4,486	5,512	
Parts, materials & supplies	92,300	82,181	178,542	
Lubricants	1,700	6,367	1,768	
Janitor service	1,300			
Insurance	5,800	5,891	6,032	
Telephone	5,500	4,398	5,500	
Other services	10,350	41,389	10,479	
Provision for equipment replacement	2,600	3,854	2,600	
Indirect departmental costs allocated	48,932	48,201	56,459	
	$ 828,464	$ 878,321	$1,010,921	$1,010,921

Schedule 8(b)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Pumping Stations

Purpose/Level of Activity

The transportation system includes over 30 separate pumping stations ranging in size from stations of one or two low horsepower pumps serving a limited area to line stations housing multiple units of several hundred horsepower. The stations are in continuous automatic operation. The increased flow during wet weather results in more pumping during the winter and increased electrical energy costs. The pace of development in the outlying areas requires periodic upgrading of pumping capacity and some of the older units are due for replacement, hence increased allowances for staff, maintenance and equipment replacement are included in the 1988 budget.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries, wages & employee benefits	$ 521,407	$ 507,744	$ 614,333	$
Materials & supplies	115,400	114,973	113,776	
Other services	8,400	11,514	11,908	
Vehicle & equipment rentals	52,600	71,101	61,060	
Repairs & maintenance	11,750	17,738	17,836	
Fuel oil & lubricants	2,450	1,933	3,432	
Electricity	878,450	790,467	862,264	
Water	10,500	8,745	10,348	
Telephone	16,450	13,412	16,450	
Land taxes & rentals	2,486	4,608	2,586	
Indirect departmental costs	142,625	140,017	162,784	
	$1,762,518	$1,682,252	$1,876,777	$1,876,777

Schedule 8(c)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Trunks & Interceptors

Purpose/Level of Activity

The expenditures associated with inspecting, operating and maintaining the gravity sewers, control structures and forcemains in each of the four sewerage areas are collectively included in this category.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries, wages & employee benefits	$500,361	$538,117	$541,526	$
Materials & supplies	43,100	49,666	52,988	
Other services	11,800	12,837	13,830	
Vehicle & equipment rentals	56,650	74,106	62,650	
Repairs & maintenance	3,150	4,945	4,732	
Fuel oil & lubricants	2,100	1,075	2,356	
Electricity	28,800	29,360	30,160	
Water	2,500		2,600	
Telephone	3,100	3,110	3,100	
Insurance		5,000		
Land taxes & rentals	30,970	26,489	31,689	
Indirect departmental costs	174,810	170,255	167,584	
	$857,341	$914,960	$913,215	$913,215

Schedule 8(d)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Drainage Facilities

Purpose/Level of Activity

Cariboo Dam regulates the level of Burnaby Lake which receives flow from Still Creek and other drainage courses. The dam controls the rate of flow into the Brunette River. Routine maintenance consists of brush cutting, repairs to drainage channels, restoration of flood scour damage and the upkeep of structures designed to trap sediments and debris transported during flood flows.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries, wages & employee benefits	$198,425	$199,028	$177,355	$
Materials & supplies	31,200	15,747	11,544	
Other services	3,600	33,061	3,844	
Vehicle & equipment rentals	43,550	28,728	35,050	
Repairs & maintenance	500	46	520	
Fuel oil & lubricants	1,050	243	780	
Natural gas	400	18	416	
Electricity	950	1,257	1,248	
Telephone	1,650	1,452	1,650	
Land taxes & rentals	7,046	14,711	7,328	
Indirect departmental costs	66,982	67,731	53,080	
	$355,353	$362,022	$292,815	$292,815

Schedule 8(e)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Engineering

Purpose/Level of Activity

The engineering program covers engineering investigations of a broad nature related to the operation and maintenance of the sewerage and drainage system. Activities include investigating requests and proposals from municipalities, regulatory agencies, developers and private individuals; sludge disposal methods and alternatives; environmental studies; rainfall analysis for design and operational purposes; computer applications and other improvements in operations and maintenance methods.

Activity will continue in 1988 on sludge disposal investigations for the four treatment plants, environmental studies on Sturgeon Bank for the Iona Island Treatment Plant, engineering investigations for the four sewerage areas, preventative maintenance programs, sewer corrosion investigations and repair methods, and rainfall analysis.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries, wages & employee benefits	$121,520	$137,025	$117,561	$
Materials & supplies	6,300	5,870	6,968	
Other services	11,180	32,514	7,540	
Vehicle & equipment rentals	1,650	2,673	2,670	
Consultants	116,149	82,351	69,835	
Indirect departmental costs	56,876	84,557	56,682	
	$313,675	$344,990	$261,256	$261,256

GREATER VANCOUVER SEWERAGE & DRAINAGE DISTRICT

Quality Control Program

Purpose

The purpose of this program is to determine characteristics of treated and untreated sewage at each of the four primary plants in order to evaluate the effectiveness of treatment and to comply with the requirements of the Waste Management Branch permits for monitoring of effluent discharges. In addition, this program obtains monitoring data on receiving water quality and metropolitan bathing beaches, provides technical and analytical resources for identifying problems within the Districts collection facilities (Source Control programs) and undertakes studies of the environmental impacts of existing or planned discharges.

Level of Activity

Daily testing for various chemical and physical characteristics are undertaken at each sewage treatment plant laboratory. In 1987, it is estimated that sewage treatment plant laboratory technicians will carry out approximately 46,000 analyses on influent and effluent sewage, sludge and digester gas samples. In addition, the main laboratory personnel will perform approximately 15,000 analyses related to sewage treatment monitoring programs and source control activities. Technical and laboratory support is also provided for special projects such as outfall monitoring studies and sludge disposal investigations.

The routine monitoring programs for receiving waters and metropolitan bathing beaches in 1987 involved the collection and analysis of approximately 3,500 samples for fecal coliforms and related parameters. At the request of the Medical Health Officer, 20% of these samples were analyzed for enterococci in order to evaluate the use of this organism as an indicator of bathing beach water quality. Technical assistance and laboratory resources are provided to help identify specific problems, such as sporadic high fecal coliform counts in Eagle Harbor and investigating sources of fecal coliform organisms from outfalls in the North Arm of the Fraser River.

In 1987, an extensive monitoring program addressing plant effluent quality, and water, sediment, and biota quality in the area to be affected by the Deep Sea Outfall discharge was carried out. Information gathered will be used to supplement that gathered during 1986 and during the Deep Sea Outfall Feasibility Study in defining pre-discharge conditions in the impact zone. Due to the specialized nature of the monitoring required, the work, except for bathing beaching monitoring, is carried out by consultants. District staff are responsible for overall project management.

It is expected the 1988 program will concentrate on further testing of the plant effluent and on dispersion studies in the impact zone to verify the predictions of the 1983 Feasibility Study. In addition, bathing beach monitoring will be carried out during the January to April period in order to provide the information required to determine whether the Iona effluent will require chlorination in 1988.

Schedule 8(f)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Quality Control

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries, wages & employee benefits	$ 337,100	$ 320,999	$ 435,382	$
Materials & supplies	25,400	31,558	36,816	
Other services	17,600	10,445	16,016	
Vehicle & equipment rentals	2,700	9,655	9,900	
Repairs & maintenance	3,800	2,825	12,272	
Indirect departmental costs	224,900	247,758	316,104	
Consultants	200,000	123,177	208,000	
	$ 811,500	$ 746,417	$1,034,490	$1,034,490

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Source Control Program

Purpose

To provide for the maximum beneficial use of GVS&DD facilities by commercial and industrial dischargers consistent with the following requirements:

- Prevention of the discharge to sewer of toxic substances which may pass through the treatment plant in concentrations in excess of permit maxima or which may result in treatment plant process upsets and/or environmentally unacceptable conditions in receiving waters.

- Protection of health and safety of sewer workers and the general public.

- Protection of sewerage facilities from clogging, corrosion and explosion hazards.

- Protection of sewage treatment equipment and processes, and management of digested sludge quality to minimize disposal problems.

Activities or Level of Service

This program was implemented following the 1970 approval by the GVS & DD Administration Board of a set of regulations governing the admission of wastes into sewers. The District's ability to control industrial discharges to sewer was augmented in 1984 when the provincial government declared the Sewerage and Drainage District a Sewage Control Area under the Waste Management Act, which allowed the District to appoint a Sewage Control Manager.

The Pollution Control group carry out monitoring and enforcement services throughout the District, with priority for regulatory activity in the Fraser and Lulu Island West Sewerage Areas. The following activities are performed:

- Review applications for new industrial connections to District sewerage facilities, and provide advice to member communities regarding new connections to city and municipal sewer systems.

- Issue Orders under the Waste Management Act to regulate major non-domestic discharges.

- Investigate episodes related to abnormal sewage treatment plant influent quality.

- Prevent unauthorized dumping of waste to sewerage and drainage facilities.

- Maintain compliance with GVS & DD policy and regulations regarding the use of sewage treatment plant trucked waste disposal facilities.

- Monitor industrial discharges to sewer to ensure compliance with GVS&DD regulations and Waste Management Act Orders.

In 1987 the focus of the program was on discharges from the metal finishing and plating industry, as they have a significant potential to upset sewage treatment plant operations and sludge quality. Both industry self-monitoring and quality compliance monitoring checks by District staff increased substantially during the year. Long-term planning toward the implementation of a full source control program will continue in 1988 under the Liquid Waste Management Plan. A committee consisting of representatives from industry, municipalities, senior governments and the Regional District is reviewing general requirements for industrial discharges to sewer. It is anticipated that the Stage I Liquid Waste Management Plan report will include recommendations related to District source control activities, and the updating of discharge quality criteria.

The 1988 provisional budget shows little change from the 1987 revised estimate. The level of service is projected to continue at the 1987 level through most of 1988, until such time as the Stage I Liquid Waste Management Plan recommendations are finalized and adopted. Funding has been provided for development of a Bylaw for the control of wastes discharged to sewers. It is anticipated that the development of a Bylaw will be recommended in the Liquid Waste Management Plan report.

Schedule 8(g)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Source Control

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries, wages & employee benefits	$412,300	$342,309	$394,711	$
Materials & supplies		240	104	
Other services	19,400	14,337	39,416	
Vehicle & equipment rentals		135		
Indirect departmental costs	203,800	188,445	143,634	
Consultants			20,800	
	$635,500	$545,466	$598,665	$598,665

Schedule 9

Schedule 9

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Distribution of Operation & Maintenance Expenses Year Ending December 31, 1988

1987 Actual		Requirements for the Year Ending December 31, 1988	(Underexpended) Overexpended in 1987	1988 Levy
	Sewerage Areas			
$4,582,806	Fraser	$ 5,134,154	$(195,591)	$ 4,938,563
1,215,629	Lulu Island West	1,398,695	15,391	1,414,086
1,466,541	North Shore	1,591,598	(81,449)	1,510,149
4,295,788	Vancouver	5,128,974	53,867	5,182,841
	Drainage Areas			
5,546	Byrne Road	11,095	(6,874)	4,221
30,746	Kyle Street	16,126	15,090	31,216
7,950	Schoolhouse Creek	12,353	(1,178)	11,175
303,556	Still Creek-Brunette River	248,138	(17,161)	230,977
1,155	University	799	329	1,128
18,612	William Street	15,398	9,586	24,984
	General			
255,414	Pollution Monitoring	270,029	(11,886)	258,143
350,278	Miscellaneous	327,519	32,423	359,942
$12,534,021		$14,154,878	$(187,453)	$13,967,425

Burnaby	Coquitlam	Delta	Langley (City)	Langley (District)	Maple Ridge	New Westminster	N. Van. (City)	N. Van. (Dist.)	Pitt Meadows	Port Coquitlam	Po Moo
$1,109,008	$546,585	$588,133	$135,469	$242,883	$184,976	$342,261	$	$	$31,249	$200,702	$129
							402,991	619,910			
392,822											
4,211						10					
	14,296										16
	5,351										5
165,066	17,204					3,617					1
	10,164										14
28,795	10,042	12,263	2,478	6,005	4,225	6,262	7,821	12,133	895	3,685	2
40,150	14,002	17,099	3,456	8,374	5,891	8,731	10,905	16,917	1,248	5,139	3
$1,740,052	$617,644	$617,495	$141,403	$257,262	$195,092	$360,881	$421,717	$648,960	$33,392	$209,526	$174

Schedule 9

Port quitlam	Port Moody	Richmond	Surrey	U.E.L.	Vancouver	West Vancouver	White Rock
200,702	$129,802	$ 28,030	$1,239,208	$	$ 55,043	$	$105,214
		1,414,086					
						487,248	
		75,395		26,043	4,688,581		
	16,920						
	5,824						
	1,277				43,813		
				1,128			
	14,820						
3,685	2,375	23,401	23,248	564	102,520	9,525	1,906
5,139	3,311	32,629	32,415	786	142,950	13,281	2,658
09,526	$174,329	$1,573,541	$1,294,871	$28,521	$5,032,907	$510,054	$109,778

Schedule 10

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Operation and Maintenance Budget
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Fraser Sewerage Area				
Annacis Is. Sewage Treatment Plant	$2,577,692	$2,437,408	$2,887,715	$
Annacis Is. laboratory	82,700	75,942	99,175	
Interceptors & trunk sewers	397,964	394,711	426,806	
Pumping stations	1,133,428	1,088,071	1,163,834	
Engineering	62,826	102,170	81,931	
Sludge disposal investigations	40,287	37,677	15,500	
Sewer use control	283,500	237,170	251,193	
	4,578,397	4,373,149	4,926,154	
North-West Langley Sewage Treatment Plant	200,000	209,657	208,000	
	4,778,397	4,582,806	5,134,154	5,134,154
Lulu Island West Sewerage Area				
Lulu Is. Sewage Treatment Plant	828,464	878,320	1,010,921	
Lulu Is. laboratory	82,900	81,419	101,441	
Trunk sewers	11,148	5,118	9,628	
Pumping stations	59,805	68,114	78,992	
Engineering	4,934	9,058	6,414	
Sludge disposal investigations	40,287	24,463	21,460	
Sewer use control	172,700	149,137	169,839	
	1,200,238	1,215,629	1,398,695	1,398,695
North Shore Sewerage Area				
Lions Gate Sewage Treatment Plant	1,018,433	930,095	1,025,574	
Lions Gate laboratory	80,200	74,358	98,050	
Lynn Pumping Station	93,972	78,005	98,125	
Interceptors	208,708	233,151	244,082	
Engineering	15,596	44,910	10,545	
Sludge disposal investigations	41,181	27,556	23,549	
Sewer use control	89,900	78,466	91,673	
	1,547,990	1,466,541	1,591,598	1,591,598
Vancouver Sewerage Area				
Iona Is. Sewage Treatment Plant	3,052,404	3,155,011	3,730,891	
Iona Is. outfall, channel, jetty, roads & wharves	20,240	15,492	22,915	
Iona Is. laboratory	87,400	82,424	119,490	
Investigation of pollution of Sturgeon Bank	12,466	9,975	13,039	
Pumping stations	462,893	442,517	524,732	
Interceptors & trunk sewers	239,521	281,980	232,697	
Engineering	25,416	32,225	29,396	
Sludge Disposal Investigations	41,181	18,614	23,547	
Sewer use control	89,400	80,693	85,960	
Deep Sea Outfall Monitoring	211,000	176,857	346,307	
	4,241,921	4,295,788	5,128,974	5,128,974

Schedule 10
(Continued)

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Operation and Maintenance Budget
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Byrne Road Drainage Area				
Willard St. Pumping Station	12,420	5,546	11,095	
Kyle Street Drainage Area				
Trunk drain	15,656	30,746	16,126	
Schoolhouse Creek Drainage Area				
Schoolhouse Creek	9,128	7,950	12,353	
Still Creek - Brunette River Drainage Area				
Brunette River & Burnaby Lake	169,914	150,730	103,771	
Stoney Creek	31,450	65,622	34,199	
Still Creek	104,421	73,298	94,508	
Lozells Creek	14,932	13,906	15,660	
	320,717	303,556	248,138	
University Drainage Area				
Shaft & tunnel	826	1,155	799	
William Street Drainage Area				
Trunk drain	9,026	18,612	15,398	
Pollution Monitoring	267,300	255,414	270,029	
Miscellaneous				
Rain, sewer & stream gauges	91,255	130,478	102,295	
Radio communications	42,000	57,985	52,648	
Beach yard control system	184,600	161,815	172,576	
	317,855	350,278	327,519	
TOTAL	$12,721,474	$12,534,021	$14,154,878	$14,154,878

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

SOLID WASTE FUNCTION

History, Long Term and Ongoing Role

Liquid and solid waste disposal (i.e. sewage, drainage, and refuse) is carried out by the Sewerage and Drainage District pursuant to the Greater Vancouver Sewerage and Drainage District Act. Membership in this District by municipalities is voluntary; however, once in there is no provision for opting out. The District is legally obliged to perform in accordance with the Act.

Provision of solid waste disposal service is a relatively new function of the District with this service being undertaken following an amendment of the Greater Vancouver Sewerage and Drainage District Act in 1974. Since that time, the District has operated a landfill in Coquitlam, and cooperated with the City of Vancouver and Delta for disposal of waste from the Westburnco area at the City's landfill in Burns Bog following closure of the Coquitlam Landfill. Recognizing that the Coquitlam Landfill was not a long-term solution, the District undertook studies of alternative methods of waste disposal and adopted a five-part program to meet its long-term waste disposal needs. This program provided for implementation of an aggressive recycling program and provision of at least two landfills, transfer stations and incineration with energy recovery. The District was able to succeed on all parts of the five-part program except for the establishment of a long-term landfill to complement the Burns Bog Landfill. As part of its solid waste planning, the District also cooperated in a joint study with the member municipalities of the three Lower Mainland Regional Districts and the Ministry of Environment and Parks for the purpose of developing a long-term comprehensive waste disposal plan for the Lower Mainland. This study was referred to as the Lower Mainland Refuse Project (LMRP).

The LMRP study commenced in 1983 but it became evident early in 1985 that this initiative would not result in a waste disposal plan for the Lower Mainland. Pursuant to this, in April 1985, the GVRD Board established a special committee, the Solid Waste Committee, for the purpose of developing a plan for managing the disposal of solid waste in the GVRD. This process resulted in the Greater Vancouver Regional Solid Waste Management Plan. The Plan was adopted by the GVRD Board in November 1985 and approved by the Minister of Environment in December of that year. The Plan provides for the building of facilities to meet the present disposal needs of the Region. Some of the facilities provided under the Plan are owned and operated by the District, while others are owned and operated by member municipalities. The Plan also provides a planning framework under which new waste disposal projects will be undertaken in order to meet the future waste disposal needs of the Region. One such need is the requirement for additional landfill capacity and the Plan includes "active pursuit of additional landfill capacity" (ref. Plan Report, page 11). In accordance with this requirement, the District invited tenders for a new waste disposal project. The most favorable tender was from Wastech for establishment of a landfill at Cache Creek, and this project is expected to be realized in 1988.

The District provides solid waste services differently from the manner in which it provides water supply and liquid waste disposal. The District owns and operates with its own personnel all the facilities required for supply of water and disposal of liquid wastes, whereas solid waste disposal is provided as a contract service, either by private contractors or municipalities, such as Vancouver and Surrey, which respectively operate landfills at Burns Bog and Port Mann. The facilities operated by private contractors may be either District or contractor owned; examples of each respectively are the Burnaby Refuse Incinerator and the Coquitlam Resource Recovery Plant.

Review of Prior Years' Objectives

The overall objective has been implementation of the Plan in cooperation with member municipalities which are also developing and/or operating facilities as part of the Regional Plan.

In 1987 there were essentially three focuses as follows, viz., management of ongoing operations from former years (Coquitlam Transfer Station, North Shore Baling Station and Richmond Resident Transfer Station), construction of Burnaby RIP and Coquitlam RRP, and planning and development of the proposed new waste disposal project at Cache Creek. The latter activity has been carried out in cooperation with the Ministry of Environment and Parks, the Village of Cache Creek, Wastech and the Eastern Municipalities (EM) for establishment of a new secure, long-term landfill. The agreements required to realize this project are now in place or are being prepared.

1988 Short Term Objectives

In 1988 the construction component of the District's solid waste program will fall off significantly and the emphasis will be on startup and operation of the many new facilities which comprise the Plan. The following facilities are scheduled to commence operation in 1988:

- Burnaby RIP (January - March)
- Coquitlam RRP (June)
- Conversion of North Shore Baling Station to a Transfer Station (March)
- Closure of Premier Street Landfill (March or April)
- Startup of Cache Creek Landfill (June)
- Startup of Vancouver Transfer Station (July)
- Startup of Surrey Resident Transfer Station (August)
- Startup of North Shore Pilot Chipper Project (January)
- Startup of new Recycling Programs (Glass Depot Project and Multi-material Curbside Project)

Clearly, 1988 will be the watershed year for the District's waste disposal program in that so many of the new facilities called for in the Plan will come on-line. Recognizing the potential impacts to member municipalities of bringing so many new projects on line over a short period of time, District staff are cooperating with engineering staffs of its member municipalities to ensure that these impacts will be minimized.

Following implementation of the above projects, the District's solid waste program will settle down into a more predictable pattern. This will allow more emphasis to be placed on optimizing operation of the system, which will soon become the major function of the program.

Long-Term Planning and Future Programs

Since the Plan was adopted, it has become apparent that there is an expectation on the part of the Province and member municipalities that the District has the responsibility to provide answers to all manner of waste disposal problems. Typical problems referred to the District for consideration and a solution are:

- Problems associated with the disposal of gypsum waste.
- Assessment of alternatives for disposal of international waste.
- Disposal of re-refined used oil.
- Participation in the Provincial bio-medical waste disposal study, etc.

All of the above enquiries refer to matters which are of a regional interest and concern, but for which to date no specific budget has been allocated to cover the costs of these investigations. In view of this, the 1988 budget includes an allowance of $50,000, i.e. a research and development budget, to cover the cost of investigating the above types of problems.

Other waste disposal jurisdictions, especially those where disposal facilities for hazardous wastes exist, have implemented programs to deal with the disposal of hazardous wastes generated by small quantity generators such as householders. The Province is currently working towards establishment of facilities for the disposal of hazardous waste and when these facilities become available, the District will need a program to deal with this concern.

The District has undertaken a study to deal with the disposal of demolition, land clearings and garden wastes (DLCGW). In part, the solution to the problem will be to encourage recycling and reuse of these materials where it is practical to do so. It will also include encouragement of the private sector to provide other environmentally sound methods of disposal such as safe landfills, incineration of clean combustibles in energy recovery plants, composting, etc. Should the private sector not be able to provide the solutions needed, the District may have to take a more active role for provision of these services.

Regional Disposal Rate

The Plan includes different modes of waste disposal for which the costs are significantly different, viz. the cost of landfilling vs. the cost of incineration. The Plan is operated as a utility wherein the differences in the cost of disposal at different facilities is averaged out so as to provide a uniform cost to all users in the Region. During each year, the expected costs of debt retirement and operations will be recovered from tipping fees set so as to recover as nearly as possible the aforesaid costs during that year. Any shortfall or excess of funds generated by the tipping fee will be applied to costs in the succeeding year or years, and the rate for that year or years will be adjusted accordingly.

As the District's waste disposal system includes works of considerable capital cost, the Regional rate will be affected by finance rates. As well, since the District receives revenue for steam sold to Belkin Paperboard from the Burnaby RIP based on B.C. Hydro's industrial gas rate, changes in that rate will affect revenues, and hence the monies which must be recovered from tipping fees. The revenue from the sale of steam is based upon an energy cost equal to 85% of the natural gas rate. Further, since there are numerous fixed costs in the system, the rate is also dependent on the ability of the District to control the flow of waste to ensure that the correct quantity and type of waste goes to the facility designated under the Plan. Besides the aforesaid factors, a further and the most significant factor affecting system cost and rate is the level of environmental standard which must be met at the disposal facilities. It is not expected that further works will be needed at the incinerator in order to comply with higher environmental standards, since that facility meets or exceeds current world-wide environmental standards. However, should it be necessary to implement more stringent standards at other waste disposal facilities, this could have a negative impact on costs, and hence increase the Regional rate.

The 1988 Regional rate of $34.00/tonne is based on revenue from sale of steam for the incinerator project at what appears to be a low in the energy market. The Regional rate is expected to rise to about $40/tonne in 1989, which is the first full year with the incinerator on-line, and is reflective of the cost impact of that facility. As the Plan includes considerable capital debt at the outset, it can be expected that in future years the Regional rate will diminish in terms of constant dollars due to the effects of inflation, and paying off of the capital debt.

Schedule 11

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Revenue & Expenditure Budget
Solid Waste Disposal
By Program
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
User charges	$11,510,900	$12,930,576	$18,643,000	$18,643,000
Balance from previous year			1,286,731	1,187,700
	11,510,900	12,930,576	19,929,731	19,830,700
Expenditures				
Refuse incinerator				
Operating costs			6,228,570	6,228,570
Debt charges			3,369,334	3,369,334
			9,597,904	9,597,904
Less Recoveries - sale of steam			2,350,000	2,350,000
			7,247,904	7,247,904
Resource recovery, transfer and landfill operations	11,156,000	11,742,876	12,301,332	12,301,332
Administration			313,520	313,520
Total Expenditure	11,156,000	11,742,876	19,862,756	19,862,756
Surplus carried to following year	$ 354,900	$ 1,187,700	$ 66,975	$ (32,056)

Schedule 12

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Revenue & Expenditure Budget
Solid Waste Disposal
By Object of Expenditure
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$ 118,760	$ 129,078	$ 302,221	$
Contract services	8,275,000	8,441,515	15,666,000	
Royalties	400,000	752,906	241,000	
Board vehicles & mileage	11,950	11,919	9,200	
Consultants		38,836	47,500	
Other services & supplies	102,690	41,108	414,570	
Net amount payable to District of North Vancouver re North Shore Baling Station	1,003,254	889,645	142,796	
Central administrative services allocated	10,000	13,000	10,800	
Indirect departmental costs	44,700	57,805	128,600	
Provision for equipment replacement	121,200	243,041	75,000	
Port Mann landfill	654,200	806,053	964,000	
Air pollution monitoring			92,900	
Debt charges	474,246	413,595	4,260,169	
	11,216,000	11,838,501	22,354,756	22,354,756
Less: Sale of steam			2,350,000	2,350,000
Rental revenue	60,000	95,625	142,000	142,000
	60,000	95,625	2,492,000	2,492,000
	$11,156,000	$11,742,876	$19,862,756	$19,862,756

Schedule 13

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

North Shore Baling Station
Revenue & Expenditure Budget
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
User charges	$2,616,900	$2,575,666	$ 623,000	$
Net rental revenues	60,000	78,228	27,846	
	2,676,900	2,653,894	650,846	650,846
Expenditure				
Contract services	950,000	988,237	245,000	
Administration & general expenses				
Salaries & employee benefits	40,000	44,151	13,891	
Board vehicles & mileage	1,200	3,157	400	
Insurance	4,900	4,690	1,000	
Purchased repairs	1,000	344	200	
Other services & supplies	11,900	19,986	3,500	
Central administrative services allocated	3,000	3,000	1,000	
Indirect departmental costs	14,200	19,176	6,059	
Equipment depreciation	121,200	220,027	75,000	
Interest	474,246	413,595	150,000	
Land taxes	52,000	47,886	12,000	
	1,673,646	1,764,249	508,050	508,050
Net amount payable to the District of North Vancouver	$1,003,254	$ 889,645	$ 142,796	$ 142,796

Schedule 14

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Assessed Values Taxable by Rate for Regional Hospital District Purposes for 1987

	1986 Total	1987 Total	%
Vancouver Sewerage Area			
Burnaby	$ 281,548,520	$ 278,926,038	7.57928
Richmond	71,705,294	53,535,294	1.45470
University Endowment Lands	19,293,721	18,493,093	.50249
Vancouver	3,320,804,548	3,329,149,255	90.46353
	$3,693,352,083	$3,680,103,680	100.00000
Fraser Sewerage Area			
General Facilities			
Burnaby	$ 696,184,773	$ 665,400,356	22.45608
Coquitlam	319,885,062	327,949,212	11.06770
Delta	377,550,764	352,877,713	11.90900
Langley (City)	78,880,221	81,281,094	2.74309
Langley (District)	140,701,077	145,728,959	4.91809
Maple Ridge	105,651,204	110,984,781	3.74554
New Westminster	242,067,418	205,355,241	6.93037
Pitt Meadows	18,026,202	18,749,538	.63276
Port Coquitlam	118,433,066	120,420,591	4.06398
Port Moody	102,194,107	77,880,768	2.62834
Richmond	24,936,582	16,817,766	.56757
Surrey	719,586,089	743,519,482	25.09247
Vancouver	39,826,664	33,025,589	1.11455
White Rock	60,582,317	63,127,997	2.13046
	$3,044,505,546	$2,963,119,087	100.00000
Maple Ridge/Pitt Meadows Facilities			
Maple Ridge	$ 105,651,204	$ 110,984,781	85.54774
Pitt Meadows	18,026,202	18,749,538	14.45226
	$ 123,677,406	$ 129,734,319	100.00000
North Shore Sewerage Area			
North Vancouver - City	$ 257,685,710	$ 256,488,838	26.68548
North Vancouver - District	383,177,509	394,549,031	41.04959
West Vancouver	284,809,625	310,115,462	32.26493
	$ 925,672,844	$ 961,153,331	100.00000
Lulu Island West Sewerage Area			
Richmond			100.00000
Still Creek-Brunette River Drainage Area			
Burnaby	$ 591,191,202	$ 594,093,737	71.46447
Coquitlam	56,791,551	61,919,501	7.44839
New Westminster	13,460,470	13,019,781	1.56612
Port Moody	4,334,190	4,594,407	.55266
Vancouver	162,436,556	157,686,243	18.96836
	$ 828,213,969	$831,313,669	100.00000

Schedule 14
Continued

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Assessed Values Taxable by Rate for Regional Hospital District Purposes for 1987

	1986 Total	1987 Total	%
Byrne Road Drainage Area			
Burnaby	$ 209,753,331	$ 189,720,069	99.76300
New Westminster	439,487	450,655	.23700
	$ 210,192,818	$ 190,170,724	100.00000
Kyle Street Drainage Area			
Coquitlam	$ 5,704,543	$ 5,944,838	45.79757
Port Moody	9,710,914	7,035,817	54.20243
	$ 15,415,457	$ 12,980,655	100.00000
William Street Drainage Area			
Coquitlam	$ 4,230,672	$ 4,447,824	40.68271
Port Moody	7,262,561	6,485,136	59.31729
	$ 11,493,233	$ 10,932,960	100.00000
University Drainage Area			
University Endowment Lands			100.00000
Schoolhouse Creek Drainage Area			
Coquitlam	$ 14,981,664	$ 13,428,915	47.88357
Port Moody	19,194,741	14,616,022	52.11643
	$ 34,176,405	$ 28,044,937	100.00000
U.E.L. South Musqueam Drainage Area			
Vancouver			100.00000
Lower Mainland Solid Waste Disposal Plan			
Burnaby	$ 977,733,293	$ 944,326,394	11.76843
Coquitlam	321,735,284	329,328,494	4.10417
Delta	444,383,311	402,162,082	5.01184
New Westminster	242,067,418	205,355,241	2.55919
North Vancouver (City)	257,685,710	256,488,838	3.19643
North Vancouver (District)	386,656,570	397,896,089	4.95868
Port Coquitlam	119,112,769	121,099,055	1.50917
Port Moody	102,194,107	77,880,768	.97057
Richmond	807,738,852	767,424,854	9.56384
Surrey	746,597,943	766,710,336	9.55494
University Endowment Lands	19,293,721	18,493,093	.23047
Vancouver	3,360,631,212	3,362,174,843	41.90027
West Vancouver	286,896,121	312,372,308	3.89286
White Rock	60,582,317	62,519,773	.77914
	$8,133,308,628	$8,024,232,168	100.00000

Schedule 14
Continued

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

Assessed Values Taxable by Rate for Regional Hospital District Purposes for 1987

	1986 Total	1987 Total	%
Total Assessed Values			
Burnaby	$ 977,733,293	$ 944,326,394	11.15457
Coquitlam	321,735,284	329,328,494	3.89009
Delta	444,383,311	402,162,082	4.75042
Langley (City)	78,880,221	81,281,094	.96011
Langley (District)	186,512,625	196,947,389	2.32638
Maple Ridge	136,084,751	138,559,525	1.63669
New Westminster	242,067,418	205,355,241	2.42570
North Vancouver (City)	257,685,710	256,488,838	3.02970
North Vancouver (District)	386,656,570	397,896,089	4.70003
Pitt Meadows	29,090,030	29,342,994	.34661
Port Coquitlam	119,112,769	120,862,226	1.42765
Port Moody	102,194,107	77,880,768	.91994
Richmond	807,738,852	767,424,854	9.06498
Surrey	746,597,943	762,407,747	9.00571
University Endowment Lands	19,293,721	18,493,093	.21844
Vancouver	3,360,631,212	3,362,174,843	39.71468
West Vancouver	286,896,121	312,372,308	3.68980
White Rock	60,582,317	62,519,773	.73850
	$8,563,876,255	$8,465,823,752	100.00000

Greater Vancouver Regional Hospital District
4330 Kingsway, Burnaby, British Columbia, Canada V5H 4G8
Telephone (604) 432-6400

TO: Executive Committee

FROM: Secretary Treasurer

RE: 1988 Final Budget

DATE: March 15, 1988

REPORT

The 1988 Greater Vancouver Regional Hospital District Final Budget is presented for your consideration.

A surplus of $938,261 has been carried forward to reduce the 1988 Members' tax requisition, largely as a result of reduced debt charges resulting from lower than anticipated capital expenditures. The Members' tax requisition is up $425,806 (1.5%) from that for 1987, but down $594,718 (2.0%) from the Provisional Budget.

Debt charges are up $4,360,033 (7.7%) from the 1987 actual costs, but down $1,449,068 (2.3%) from the Provisional Budget, chiefly due to changes in the timing of anticipated capital expenditures, and the surplus of $994,994 arising from the certification of sinking fund debentures.

Capital expenditures for 1988 are estimated at $49,510,000. The main change from the $46,676,000 projected in the 1987-1991 Capital Expenditure Program which provides extensive detail on the District's plan, is the acceleration of expenditures with respect to St. Paul's Hospital Phase IIB. This is projected now at $5,250,000, increased from the $2,024,000 anticipated in the five-year plan and Provisional Budget.

RECOMMENDATION

That it be recommended that the Hospital District Board approve the 1988 Final Budget for the Greater Vancouver Regional Hospital District.

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

1988 Revenue and Expenditure Budget
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
Share of grants in lieu of taxes	$ 538,000	$ 514,841	$ 520,000	$ 520,000
Members' tax requisitions	28,887,068	28,879,713	29,900,237	29,305,519
Provincial Government Grants	30,841,725	30,020,503	33,110,222	32,397,404
Surplus from previous year	385,967	385,967	1,146,647	938,261
Total Revenue	$60,652,760	$59,801,024	$64,677,106	$63,161,184
Expenditure				
Debt charges on capital debt (Schedule 1)	$58,414,387	$56,699,760	$62,508,861	$61,059,793
Provision for expenditure under Sections 20(2) & 20(5)				
Advisory Committee expense	6,000	6,735	6,000	6,000
Special Study costs		3,318		
Contribution to capital funds for grants to hospitals (net)	2,112,245	2,112,245	2,112,245	2,112,245
Interest on borrowing pending receipt of revenues (net)	120,128	40,705	50,000	(16,854)
	2,238,373	2,163,003	2,168,245	2,101,391
Total Expenditure	$60,652,760	$58,862,763	$64,677,106	$63,161,184
Surplus carried to following year		$ 938,261		

Schedule 1

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

1988 Revenue & Expenditure Budget
Summary of Debt Charges on Capital Debt

	1987 Final Budget	1987 Actual	1988 Final Budget		
			Principal	Interest	Total
Debenture Debt (Schedule 2)	$59,815,926	$59,234,227	$10,625,704	$50,487,820	$61,113,524
Debenture Issuing Expense	67,500	101,038		67,163	67,163
Proposed Debenture Issues	1,400,000	278,160		1,375,000	1,375,000
Temporary Borrowing	688,553	962,717		756,100	756,100
	61,971,979	60,576,142	10,625,704	52,686,083	63,311,787
Municipal Debt assumed					
(Non-shareable)					
- debenture debt	47,380	47,380			
	62,019,359	60,623,522	$10,625,704	$52,686,083	63,311,787
Less: Sinking Funds certified	(2,432,922)	(2,428,808)			(994,994)
Less: Recoverable from parking lot - net operations (Schedule 3)	(1,172,050)	(1,494,954)			(1,257,000)
	$58,414,387	$56,699,760			$61,059,793

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT
1988 Revenue & Expenditure Budget
Debt Charges on Debenture Debt

Issue No.	Maturity Date	Interest Rate	Principal Amount	Total Payments due in 1988	
				Principal	Interest
18	May 9, 1992	7.38%	$ 2,000,000	$ 60,500	$ 147,600
19	Jul. 2, 1992	7.45%	1,350,000	40,838	100,575
20	Nov. 15, 1992	7.76%	900,000	27,225	69,840
23	Jan. 10, 1994	7.47%	1,500,000	40,785	112,050
24	Apr. 9, 1994	7.61%	1,300,000	35,347	98,930
25	May 10, 1994	8.01%	1,700,000	46,223	136,170
26	Aug. 9, 1994	9.05%	2,500,000	67,975	226,250
27	Apr. 9, 1995	8.21%	3,200,000	87,008	262,720
28	May 9, 1995	8.65%	3,140,000	85,377	271,610
29	Jul. 7, 1995	8.80%	3,000,000	81,570	264,000
30	Sep. 9, 1995	9.16%	3,000,000	81,570	274,800
31	Dec. 10, 1995	8.95%	4,200,000	114,198	375,900
32	Feb. 9, 1996	9.07%	8,000,000	217,520	725,600
33	Apr. 9, 1996	9.03%	8,000,000	217,520	722,400
34	May 7, 1996	9.04%	5,000,000	135,950	452,000
35	Jun. 7, 1996	9.00%	7,000,000	190,330	630,000
36	Jul. 9, 1996	8.97%	3,000,000	81,570	269,100
37	Nov. 10, 1996	9.25%	10,000,000	271,900	925,000
38	Jan. 10, 1997	9.02%	5,000,000	121,950	451,000
39	Apr. 7, 1997	9.03%	12,000,000	292,680	1,083,600
40	May 10, 1997	9.22%	3,500,000	85,365	322,700
41	Jul. 8, 1997	9.06%	4,000,000	97,560	362,400
42	Aug. 10, 1997	9.00%	3,000,000	73,170	270,000
43	Oct. 7, 1997	8.77%	5,000,000	121,950	438,500
44	Dec. 9, 1997	8.98%	7,000,000	170,730	628,600
45	Mar. 10, 1998	9.37%	7,000,000	170,730	655,900
46	Jun. 9, 1998	9.41%	5,000,000	121,950	470,500
47	Aug. 10, 1998	9.49%	7,000,000	170,730	664,300
48	Sep. 8, 1998	9.36%	5,000,000	121,950	468,000
49	Nov. 10, 1998	9.46%	10,000,000	243,900	946,000
50	Mar. 9, 1999	10.16%	6,500,000	158,535	660,400

Schedule 2
(continued)

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT
1988 Revenue & Expenditure Budget
Debt Charges on Debenture Debt

Issue No.	Maturity Date	Interest Rate	Principal Amount	Total Payments due in 1988	
				Principal	Interest
51	Apr. 10, 1999	10.26%	$ 6,000,000	$ 146,340	$ 615,600
52	Jul. 10, 1999	10.02%	6,000,000	146,340	601,200
53	Aug. 10, 1999	9.98%	13,000,000	317,070	1,297,400
54	Nov. 9, 1999	10.68%	6,000,000	146,340	640,800
55	Apr. 10, 2000	13.39%	5,000,000	121,950	669,500
56	Jun. 10, 2000	12.01%	6,000,000	146,340	720,600
57	Aug. 8, 2000	11.61%	8,000,000	195,120	928,800
58	Oct. 10, 2000	12.50%	4,000,000	97,560	500,000
59	Mar. 10, 2001	13.13%	5,000,000	109,260	656,500
60	Apr. 10, 2001	13.66%	9,000,000	196,668	1,229,400
61	May 8, 2001	13.69%	9,000,000	196,668	1,232,100
62	Jun. 10, 2001	15.69%	5,000,000	109,260	784,500
63	Aug. 10, 2001	15.31%	14,000,000	305,928	2,143,400
64	Oct. 9, 2001	17.0 %	5,000,000	109,260	850,000
65	Nov. 10, 2001	17.51%	5,000,000	109,260	875,500
66	Dec. 10, 2001	15.93%	5,000,000	109,260	796,500
67	Jan. 8, 2002	14.51%	3,675,000	80,306	533,243
68	Feb. 10, 2002	15.5 %	4,000,000	87,408	620,000
69	Mar. 10, 2002	16.1 %	6,000,000	131,112	966,000
70	Apr. 8, 2002	15.12%	10,000,000	218,520	1,512,000
71	May 10, 2002	15.25%	9,000,000	196,668	1,372,500
72	June 10, 2002	14.96%	7,000,000	152,964	1,047,200
73	July 9, 2002	15.38%	10,000,000	218,520	1,538,000
74	Oct. 8, 2002	14.16%	6,000,000	131,112	849,600
75	Nov. 10, 2002	13.43%	4,000,000	87,408	537,200
76	Jan. 4, 2003	12.14%	5,000,000	109,260	607,000
77	Apr. 5, 2003	11.59%	7,000,000	152,965	811,300
78	May 2, 2003	11.53%	4,000,000	87,408	461,200
79	June 1, 2003	10.92%	4,000,000	87,408	436,800
80	Aug. 2, 2003	11.51%	5,000,000	109,260	575,500
81	Sept. 2, 2003	12.08%	5,000,000	109,260	604,000

Schedule 2
(continued)

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT
1988 Revenue & Expenditure Budget
Debt Charges on Debenture Debt

Issue No.	Maturity Date	Interest Rate	Principal Amount	Total Payments due in 1988	
				Principal	Interest
82	Nov. 10, 2003	11.65%	$ 5,000,000	$ 109,260	$ 582,500
83	Dec. 1, 2003	11.79%	3,500,000	76,482	412,650
84	Mar. 1, 2004	12.13%	12,000,000	262,224	1,455,600
85	Apr. 2, 2004	12.60%	5,000,000	109,260	630,000
86	June 1, 2004	13.70%	5,000,000	109,260	685,000
87	July 3, 2004	13.80%	8,000,000	174,816	1,104,000
88	Sept. 4, 2004	13.20%	5,000,000	109,260	660,000
89	Jan. 4, 2005	12.08%	6,000,000	131,112	724,800
90	May 3, 2005	12.15%	5,000,000	109,260	607,500
91	May 9, 2006	9.59%	10,064,000	219,919	965,137
92	Aug. 8, 2006	9.50%	5,000,000	109,260	475,000
93	Apr. 10, 2007	9.12%	6,100,000	133,296	556,320
94	Sep. 10, 2007	10.42%	3,000,000	65,556	312,600
95	Nov. 10, 1997	10.25%	7,970,000	549,930	816,925
96	Mar. 3, 1993	9.25%	730,000		
			$436,829,000	$10,625,704	$50,487,820

Schedule 3

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

1988 Revenue & Expenditure Budget
Parking Lot Operations
Summary

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Insurance	$ 30,000	$ 20,938	$ 21,375	$ 21,375
Other services and supplies	55,000	62,263	63,125	71,125
Business & property taxes	2,350	4,022	2,340	2,340
Repairs and maintenance	110,150	44,050	91,700	114,200
Equipment Purchases & Capital Improvements	36,000	21,721	53,500	59,500
Janitorial services	22,700	21,000	26,960	51,760
Security and attendants	486,500	558,258	527,500	558,000
Electricity	125,350	120,216	140,600	140,600
Management fees	45,000	36,300	36,300	36,300
Commissions	69,000	73,131	72,450	72,450
General expenses (Sch.3(i))	36,600	31,068	38,930	42,350
Total Expenditures	1,018,650	992,967	1,074,780	1,170,000
Revenue	(2,190,700)	(2,487,922)	(2,427,000)	(2,427,000)
Net Income	$(1,172,050)	$(1,494,955)	$(1,352,220)	$(1,257,000)
Number of stalls		5,093		

Schedule 3(a)

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

1988 Revenue & Expenditure Budget
Burnaby - Parking Lot Operation

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Insurance	$ 3,775	$ 2,544	$ 2,580	$ 2,580
Other services and supplies	11,700	8,960	11,100	14,100
Business tax	100	115	115	115
Repairs and maintenance	11,600	2,717	7,700	11,200
Equipment Purchases	6,000	365	6,000	6,000
Janitorial services	1,800	1,730	1,680	4,680
Security and attendants	59,500	63,442	62,000	64,000
Electricity	14,000	12,196	14,000	14,000
Management fees	6,500	4,800	4,800	4,800
Commissions	11,400	12,557	12,750	12,750
General expenses (Sch.3(i))	3,650	3,499	4,495	4,900
Total Expenditures	130,025	112,925	127,220	139,125
Revenue	(265,000)	(292,833)	(275,000)	(275,000)
Net Income	$(134,975)	$(179,908)	$(147,780)	$(135,875)
Number of stalls		535		

Schedule 3(b)

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

1988 Revenue & Expenditure Budget
St. Paul's - Parking Lot Operation

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Insurance	$ 1,575	$ 1,079	$ 1,120	$ 1,120
Other services and supplies	3,450	2,843	3,750	3,750
Business tax	50	50	50	50
Repairs and maintenance	1,000	641	3,000	3,000
Equipment Purchases	10,000	5,289	10,000	10,000
Janitorial services	1,200	1,230	2,000	2,000
Security and attendants	43,500	59,574	57,000	63,000
Electricity	19,200	17,964	25,000	25,000
Management fees	4,500	3,600	3,600	3,600
Commissions			500	500
General expenses (Sch.3(i))	3,200	3,073	3,860	4,200
Total Expenditures	87,675	95,343	109,880	116,220
Revenue	(200,000)	(235,665)	(240,000)	(240,000)
Net Income	$(112,325)	$(140,322)	$(130,120)	$(123,780)
Number of stalls		160		

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

1988 Revenue & Expenditure Budget
Royal Columbian - Parking Lot Operation

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Insurance	$ 3,150	$ 2,242	$ 2,280	$ 2,280
Other services and supplies	7,950	8,818	8,600	8,600
Repairs and maintenance	2,000	8,504	3,500	5,000
Equipment purchases	4,000	8,103	7,500	7,500
Janitorial services	1,800	1,730	1,700	2,500
Security and attendants	67,500	77,010	67,000	72,000
Electricity	21,000	20,825	22,000	22,000
Management fees	6,000	4,800	4,800	4,800
Commissions	15,500	17,003	16,800	16,800
General expenses (Sch.3(i))	5,275	5,092	5,800	6,300
Total Expenditures	134,175	154,127	139,980	147,780
Revenue	(329,000)	(366,109)	(360,000)	(360,000)
Net Income	$(194,825)	$(211,982)	$(220,020)	$(212,220)

Number of stalls		450		

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

1988 Revenue & Expenditure Budget
Lions Gate - Parking Lot Operation

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Insurance	$ 3,775	$ 2,657	$ 2,715	$ 2,715
Other services and supplies	5,800	7,821	8,800	10,800
Business tax	2,000	2,000	2,000	2,000
Repairs and maintenance	42,000	11,150	25,000	40,000
Equipment purchases	6,000	6,446	6,000	12,000
Janitorial services	2,000	1,730	1,680	4,680
Security and attendants	56,000	66,158	59,000	65,000
Electricity	20,500	23,438	25,000	25,000
Management fees	6,000	4,800	4,800	4,800
Commissions	5,600	9,232	8,050	8,050
General expenses (Sch.3(i))	3,200	3,067	3,480	3,800
Total Expenditures	152,875	138,499	146,525	178,845
Revenue	(190,000)	(247,487)	(215,000)	(215,000)
Net Income	$ (37,125)	$(108,988)	$ (68,475)	$ (36,155)

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Number of stalls		491		

Schedule 3(e)

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

1988 Revenue & Expenditure Budget
King Edward Campus - Parking Lot Operation

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Insurance	$ 650	$ 458	$ 465	$ 465
Other services and supplies	1,500	2,863	2,500	2,500
Business tax	50	100	50	50
Repairs and maintenance	250	2,133	1,000	1,000
Janitorial services	1,200	1,230	1,200	1,200
Security and attendants		13,834	18,000	18,000
Electricity	1,000	1,838	1,600	1,600
Management fees	5,000	4,800	4,800	4,800
General expenses (Sch.3(i))	475	426	1,350	1,450
Total Expenditures	10,125	27,682	30,965	31,065
Revenue	(34,000)	(81,151)	(82,000)	(82,000)
Net Income	$(23,875)	$(53,469)	$(51,035)	$(50,935)
Number of stalls		186		

Schedule 3(f)

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

1988 Revenue & Expenditure Budget
Vancouver General - Parkade Operations

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Insurance	$ 10,775	$ 7,698	$ 7,950	$ 7,950
Other services and supplies	9,100	18,495	9,300	12,300
Business & property taxes	100	1,732	100	100
Repairs and maintenance	12,900	15,263	15,000	17,500
Equipment Purchases	1,000	639	1,000	1,000
Janitorial services	12,000	10,600	16,000	28,000
Security and attendants	111,000	119,458	113,000	118,000
Electricity	32,000	29,916	33,000	33,000
Management fees	6,500	4,800	4,800	4,800
Commissions	26,000	24,096	23,750	23,750
General expenses (Sch.3(i))	11,000	10,690	9,900	10,800
Total Expenditures	232,375	243,387	233,800	257,200
Revenue	(610,000)	(621,919)	(610,000)	(610,000)
Net Income	$(377,625)	$(378,532)	$(376,200)	$(352,800)
Number of stalls		1,200		

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

1988 Revenue & Expenditure Budget
Children's/Grace - Parking Lot Operation

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Insurance	$ 4,725	$ 3,169	$ 3,175	$ 3,175
Other services and supplies	13,150	11,020	15,075	15,075
Business tax	50	25	25	25
Repairs and maintenance	40,000	3,044	35,000	35,000
Equipment Purchases & Capital Improvements	4,000	879	20,000	20,000
Janitorial services	900	930	900	6,900
Security and attendants	145,000	154,798	147,000	153,500
Electricity	15,000	11,484	17,000	17,000
Management fees	3,500	2,700	2,700	2,700
Commissions	9,000	8,547	9,000	9,000
General expenses (Sch.3(i))	9,100	4,538	9,370	10,200
Total Expenditures	244,425	201,134	259,245	272,575
Revenue	(525,000)	(600,240)	(605,000)	(605,000)
Net Income	$(280,575)	$(399,106)	$(345,755)	$(332,425)

Number of stalls		1,796		

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

1988 Revenue & Expenditure Budget
Eagle Ridge - Parking Lot Operation

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Insurance	$ 1,575	$ 1,091	$ 1,090	$ 1,090
Other services and supplies	2,350	1,443	4,000	4,000
Repairs and maintenance	400	598	1,500	1,500
Equipment Purchases	5,000		3,000	3,000
Janitorial services	1,800	1,820	1,800	1,800
Security and attendants	4,000	3,984	4,500	4,500
Electricity	2,650	2,555	3,000	3,000
Management fees	7,000	6,000	6,000	6,000
Commissions	1,500	1,696	1,600	1,600
General expenses (Sch.3(i))	700	683	675	700
Total Expenditures	26,975	19,870	27,165	27,190
Revenue	(37,700)	(42,518)	(40,000)	(40,000)
Net Income	$(10,725)	$(22,648)	$(12,835)	$(12,810)
Number of stalls		275		

GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT

1988 Revenue & Expenditure Budget

General Expenses

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Mileage	$	$	$	$ 2,750
Travel	1,500	343	2,000	2,000
Other Services	10,600	5,190	8,700	10,200
Equipment	5,500	1,166	1,000	1,000
Supplies	500	3,138	4,000	4,000
Management Fee	25,000	32,504	30,000	30,000
Central Administrative Services Allocated	2,600	2,104	2,600	2,600
Total Expenditures	45,700	44,445	48,300	52,550
Less: Allocations to parking lot operations**	(36,600)	(31,068)	(38,930)	(42,350)
Allocated to Shaughnessy Hospital*	(9,100)	(13,377)	(9,370)	(10,200)
	$ 0	$ 0	$ 0	$ 0

* Allocated as a cost directly to Shaughnessy Hospital.
** Allocated to each lot according to revenue.

Greater Vancouver Regional District
4330 Kingsway, Burnaby, British Columbia, Canada V5H 4G8
Finance Department

Accounting: 432-6273 • Secretary Treasurer's Office: 432-6250 • Treasury: 432-6252

TO: Board of Directors

FROM: Secretary Treasurer

RE: 1988 Final Budget

DATE: April 15, 1988

The 1988 Final Budget for the Greater Vancouver Regional District is presented for your consideration. Members' tax requisitions are $854,373 (8.9%) more than 1987, while total expenditures are up $1,215,970 (9.9%) over the 1987 Final Budget and $1,516,733 (12.6%) over the 1987 actuals.

The increase in operating costs for regional functions is summarized as follows:

	General Government	Air Pollution Control	Hospital Planning	Labour Relations	Regional Parks	Total
1987 Final Budget	$1,672,535	$1,662,000	$308,700	$1,761,800	$2,761,350	$8,166,385
1987 Extraordinary	(73,500)			(30,000)	(125,200)	(228,700)
1988 Base Budget	1,599,035	1,662,000	308,700	1,731,800	2,636,150	7,937,685
1988 Changes						
Extraordinary	673,440	120,000		20,000		813,440
Changes in Level of Service	(32,215)	136,400	102,350	(163,100)	321,300	364,735
New Programs	3,528				105,018	108,546
Change in Base Budget	(29,539)	29,200	21,316	(36,997)	58,436	42,416
Inflation	44,607	42,300	8,174	47,227	99,000	241,308
Total 1988 Changes	659,821	327,900	131,840	(132,870)	583,754	1,570,445
1988 Final Budget	$2,258,856	$1,989,900	$440,540	$1,598,930	$3,219,904	$9,508,130

The detail of budget changes for each department is shown as a preface to their budget section.

Summary of Major Changes from Provisional Budget

Provisional Budget - Members' Tax Requisition		$10,100,091
General Government		
Grant to Science World	$ 572,000	
Air Pollution		
Increased Grants	(175,000)	
Waste Management Act Administration	120,000	
Regional Parks		
Camp Capilano	(24,582)	
Point Grey contingency	(45,000)	
Interest	41,800	
Minor changes (net)	(4,074)	
Surplus carried forward	(89,022)	
		396,122
Final Budget - Members' Tax Requisition		$10,496,213

GREATER VANCOUVER REGIONAL DISTRICT

Revenue & Expenditure Budget
Year Ending December 31, 1988

INDEX

	Section	Summary Page
- Revenue and Expenditure Budget Summary		1
- General Government Services	A	A1
- Air Pollution Control	B	B6
- Hospital Planning	C	C4
- Labour Relations	D	D5
- Regional Parks	E	E17
- Electoral Areas	F	F1
- Development Services	G	G3

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GREATER VANCOUVER REGIONAL DISTRICT

Summary
Revenue and Expenditure Budget
Year Ending December 31, 1988

	Sch	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget	% Change over 1987 Final Budget
Revenue						
Members' tax requisitions		$ 9,641,570	$ 9,641,840	$10,100,091	$10,496,213	+ 8.9
Recoveries from member municipalities (net)		830,800	830,763	870,000	870,000	+ 4.7
Provincial Government grants		265,000	277,500	340,000	515,000	
Transfer from GVRD functions		18,300	18,300	18,300	18,300	
Other revenue						
- General Government		354,000	550,613	379,000	379,000	+ 7.1
- Ambient Air Gaseous Monitoring		448,200	464,272	544,300	544,300	+21.4
- Parks Net Rental Income		164,900	136,905	170,538	169,488	+ 2.8
- Electoral Area - Misc.		10,000	17,196	15,000	15,000	+50.0
Surplus from previous year		563,945	563,947	416,362	505,384	-10.4
Total Revenue		$12,296,715	$12,501,336	$12,853,591	$13,512,685	+ 9.9
Expenditure						
Regional Functions						
Operating Expenses						
General Government Services	A1	$ 1,672,535	$ 1,573,543	$ 1,688,200	$ 2,258,856	+35.1
Air Pollution Control	B6	1,662,000	1,588,147	1,856,900	1,989,900	+19.7
Hospital Planning	C5	308,700	299,370	439,924	440,540	+42.7
Labour Relations	D5	1,761,800	1,698,701	1,613,327	1,598,930	- 9.2
Regional Parks	E17	2,761,350	2,784,429	3,292,054	3,219,904	+16.6
		8,166,385	7,944,190	8,890,405	9,508,130	+16.4
Fiscal Services						
Reserve Fund	A1	215,000	215,000	200,000	200,000	- 7.0
Air Pollution Control	B6	183,800	183,759	116,000	116,000	-36.9
Regional Parks	E17	2,375,237	2,324,163	2,270,119	2,311,919	- 2.7
		2,774,037	2,722,922	2,586,119	2,627,919	- 5.3
Total Regional		10,940,422	10,667,112	11,476,524	12,136,049	+10.9
Electoral Areas						
Operating Expenses	F1	325,301	299,858	307,765	308,468	- 5.2
Fiscal Services	F1	200,192	198,219	199,302	198,168	- 1.0
		525,493	498,077	507,067	506,636	- 3.6
Other						
Development Services	G3	830,800	830,763	870,000	870,000	+ 4.7
Total Expenditure		$12,296,715	$11,995,952	$12,853,591	$13,512,685	+ 9.9
Surplus carried to following year			$ 505,384			

"A"

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL GOVERNMENT
SUMMARY OF INCREASE IN 1988
EXPENDITURES OVER 1987 FINAL BUDGET

1987 Final Budget			$1,887,535
Operating Costs			
1988 Base Budget Adjustments			
1987 Extraordinary Items			
Transportation of Dangerous Goods	(65,000)		
Executive search - Regional Manager	(8,500)		
		(73,500)	
1988 Extraordinary Items			
Risk Insurance Management Study	40,000		
Less allocated to other budgets	(38,560)		
	1,440		
Earthquake Preparedness	100,000		
Grant to Science World	572,000		
		673,440	
Changes in level of service			
Information Services			
- Display systems & graphics	10,000		
- Staff newsletter	5,000		
- Elimination of audio-visuals	(23,000)		
	(8,000)		
Secretariat			
- Temporary help	10,000		
- Less allocated to other budgets	(4,215)		
	5,785		
Administrative Offices			
- Staff increase	74,600		
- Consultants	40,000		
- Deletion of Electoral Area Management	(24,900)		
- Intergovernment program	(21,500)		
	68,200		
Less allocated to other budgets	(73,500)		
	(5,300)		
General Expenses			
- Provision for contingencies	20,000		
Finance			
- Provision for equipment maintenance & replacement	17,100		
- Consultants for networking Vax with Macs	2,000		
- Computer Program Amortization	20,000		
- Staff increase	129,200		
- Micro-computers	4,000		
- Memberships & Tuitions	14,900		
- Software maintenance	8,300		
- Other	7,900		
	203,400		
Less allocated to other budgets or capitalized	(200,390)		
	3,010		

"A"

GENERAL GOVERNMENT (Continued)

Safety & Security			
- Mobile Telephones	2,400		
Less allocated to other budgets	(2,310)		
	90		
Property Division - Service to Water & Sewerage Districts			
- Staff increase	127,500		
- Consultants	(8,000)		
- Legal fees	20,000		
- Other	9,700		
	149,200		
Less allocated to other budgets or capitalized	(178,490)		
	(29,290)		
Personnel			
- Staff reallocated	45,900		
Less allocated to other budgets	(44,250)		
	1,650		
Corporate Services	(165,400)		
Decreased costs for Employee Involvement Program	(30,000)		
Decreased costs for Job Evaluation Program	(10,000)		
	(205,400)		
Plus allocated to other budgets	185,240		
	(20,160)	(32,215)	
New Programs			
Personnel - Legal fees	10,000		
- Employee assistance	22,000		
Less allocated to other budgets	(28,472)	3,528	
Change in base budget			
Rent	(24,500)		
Other	(5,039)	(29,539)	
Inflation		44,607	586,321
Debt Charges			
Decrease in contribution to Section 795 Reserve Fund			(15,000)
1988 Final Budget			$2,458,856

GREATER VANCOUVER REGIONAL DISTRICT

General Government Services
Revenue and Expenditure Budget
Year Ending December 31, 1988

Revenue	Sch	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget	% Change over 1987 Final Budget
Members' - tax requisitions		$1,269,436	$1,269,436	$1,185,115	$1,731,751	+36.4
- user charges		24,000	27,816	24,000	24,000	
Provincial Government grant		40,000	52,500	40,000	40,000	
Grants in lieu of taxes		130,000	160,685	155,000	155,000	+19.2
Interest income less sundry financial charges		200,000	362,112	200,000	200,000	
Surplus from previous year		224,099	224,099	284,085	308,105	+37.5
Total Revenue		$1,887,535	$2,096,648	$1,888,200	$2,458,856	+30.3
Expenditure						
Legislative Services						
Board & Committees	A2	$ 334,485	$ 327,556	$ 320,850	$ 320,850	- 4.1
Secretariat	A4	180,500	178,398	183,850	191,012	+ 5.8
Information Services	A8	336,550	263,954	355,700	356,304	+ 5.9
		851,535	769,908	860,400	868,166	
General Administrative Services						
Administration Offices	A9	296,700	316,715	280,150	281,177	- 5.2
General Administrative Services	A10	173,150	196,265	128,100	141,123	-18.5
Property Division	A22	29,200	45,691	58,750	15,590	-46.6
Central Administrative Services	A37	28,150	28,150	31,800	31,800	+13.0
General Expenses	A39	144,800	114,006	145,000	165,000	+14.0
		672,000	700,827	643,800	634,690	- 5.6
Other						
Transportation of Dangerous Goods Task Force Participation		125,000	65,000	60,000	60,000	-52.0
Grant to Science World		-	-	-	572,000	
Earthquake Preparedness		10,000	100,000	100,000		
Mosquito Control		24,000	27,808	24,000	24,000	
		149,000	102,808	184,000	756,000	+407.4
Sub-Total		1,672,535	1,573,543	1,688,200	2,258,856	+35.1
Fiscal Services						
Contribution to Section 795 Reserve Fund		215,000	215,000	200,000	200,000	+30.3
Total Expenditure		$1,887,535	$1,788,543	$1,888,200	$2,458,856	
Surplus carried to following year			$ 308,105			

LEGISLATIVE SERVICES

Board & Committees

Purpose

To fulfill the duties and responsibilities of the Regional Board as outlined in the Municipal Act.

Activities or Level of Service

Attending meetings of the Regional Board and its committees for the purpose of formulating Board Policy.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Remuneration	$149,000	$146,600	$153,500	
Provision for equipment replacement	12,000	12,365	12,600	
Travel	5,700	2,358	5,700	
Telephone	3,800	3,727	3,300	
Other expenses	6,100	7,830	5,150	
Rent	157,885	154,676	140,600	
Total Expenditure	$334,485	$327,556	$320,850	$320,850

LEGISLATIVE SERVICES

Secretariat

Purpose

To provide secretarial and related administrative services to the Board and its function committees.

To revise and maintain annual voters' lists and to conduct local elections (for GVRD Directors and the Island Trust) in the Region's three Electoral Areas, pursuant to the Municipal Act.

To provide administrative assistance to the Secretary-Treasurer and the Chairman as required.

To undertake administrative services for the GVRD's Electoral Areas.

Activities or Level of Service

To maintain and preserve the minutes of the Board and its function committees.

To assist departments and the public with enquiries and research in connection with Board and committee minutes and background documentation.

To administer the processing of by-laws.

To co-ordinate arrangements for all Board and Committee meetings and prepare and maintain accurate records of same.

To co-ordinate payment of fees to Board Directors.

To update and maintain voters' lists and carry out requirements for the holding of local elections in three electoral areas.

To provide administrative services, including community liaison for the GVRD's Electoral Areas, especially Electoral Area "C".

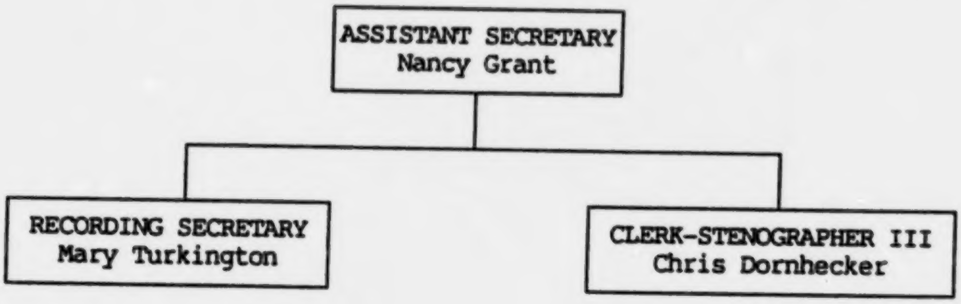
Review of Prior Year's Objectives

The Secretariat's short-term objectives for 1987 were met. The department continues to increase its role in the complete processing and maintenance of all by-laws, and changes have been instituted toward more streamlined and efficient maintenance and storage of records. The department has substantially increased its responsibilities for Electoral Area administration as a result of the retirement of the Electoral Areas Officer. This was particularly apparent in 1987 due to the level of staffing required to service the Bowen Island Special Committee, and to carry out incorporation referenda and subsequent elections in Anmore and Ioco/Sunnyside (Electoral Area "B") as directed by the Minister of Municipal Affairs.

LEGISLATIVE SERVICES

Secretariat

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$102,500	$100,137	$111,791	$121,791
Rent	24,600	24,589	21,700	21,700
Mileage	200	277	300	300
Travel	600	617	600	600
Postage & municipal courier service	21,000	23,002	21,850	21,850
Telephone	2,800	2,848	2,400	2,400
Duplicating & photocopying	15,000	10,196	12,500	12,500
Equipment replacement & maintenance	1,300	1,195	1,200	1,200
Materials & supplies	2,600	5,059	3,100	3,100
Other services	1,100	2,239	1,900	1,900
Central administrative services allocated	4,900	4,900	6,700	8,077
Computer operating costs allocated	7,300	7,500	7,100	7,100
	183,900	182,559	191,141	202,518
Transfer to Electoral Areas	(3,400)	(4,161)	(7,291)	(11,506)
Total Expenditure	$180,500	$178,398	$183,850	$191,012


ASSISTANT SECRETARY
Nancy Grant
RECORDING SECRETARY
Mary Turkington
CLERK-STENOGRAPHER III
Chris Dornhecker

	APPROVED	ACTUAL
December 31, 1987	3	3
1988 changes budgeted		
December 31, 1988	3	

LEGISLATIVE SERVICES

Information Services

Purpose

To provide centralized information services for all GVRD departments and activities.

To offer a continuing in-school program, in secondary schools and elementary schools.

To co-ordinate and produce various GVRD publications including information booklets, newsletters, brochures, posters; produce audio-visual productions.

To maintain, display and sell GVRD publications and maps to public.

To co-ordinate and assist with the GVRD's program to promote recycling in the Lower Mainland.

Activities or Level of Service

Handle general enquiries from the public and news media regarding GVRD operations and activities (about 600/700 per month).

Promote the GVRD's regional recycling program, through special events ('Recycling Month'), displays, news releases, audio-visual presentations, etc.

To present a schools program, in both secondary and elementary schools within the region.

To sponsor a secondary schools essay contest and elementary school poster "exercise" on recycling.

To produce various publications including information booklets, brochures (air quality, water, sewer, etc.), the GVRD Annual Report, posters, audio-visual productions, etc.

Prepare and produce regular GVRD information material for internal use (regional and municipal) including UPDATE (discontinued in October), BOARD IN BRIEF, RESUMÉ.

Prepare and produce a regular bi-monthly newsletter, for general distribution.

Prepare, produce and distribute news releases, as required; notify news media of GVRD meetings; arrange news conferences or other special media events, as required.

Assist with arrangements for special GVRD meetings and events, such as workshops, public hearings, the opening of projects.

Place newspaper advertisements when requested.

LEGISLATIVE SERVICES

Information Services (Continued)

Activities or Level of Service (Continued)

Take photos for various departments and for GVRD publications, audio-visuals, etc.

Provide support for Parks Department's nature interpretation programs and special parks events.

Maintain various GVRD mailing lists ranging from 20 to over 6,000 names.

Maintain, display and sell GVRD publications to the public.

Review of Prior Year's Activities

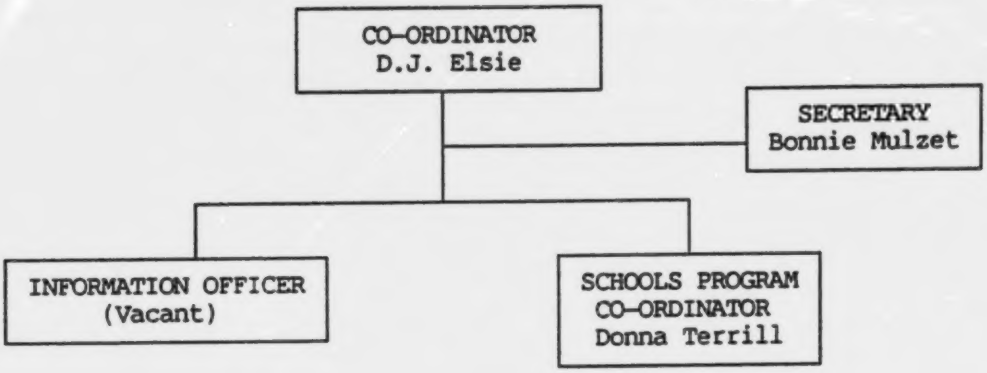
Some highlights of the prior year's activities are as follows:

- New recycling directories printed, along with posters.
- 'Recycling Month' (October) promotion successful.
- Recycling display 'toured' shopping malls.
- Record number of entries in Secondary Schools Essay Contest.
- Audio-visual on the GVRD updated.
- Phone calls to Information Services averaged about 600/700 per month.
- Updated GVRD information booklet completed; brochures produced on water and sewerage systems.
- GVRD newsletter circulation increased to nearly 15,000.
- Second GVRD Annual Report produced.
- 110 news releases mailed (emphasis directed to community newspapers).
- 'Recycled Robot' contest held in Vancouver elementary school system with entries displayed at Robson Media Centre.

LEGISLATIVE SERVICES

INFORMATION SERVICES DEPARTMENT

ORGANIZATION CHART


CO-ORDINATOR
D.J. Elsie
SECRETARY
Bonnie Mulzet
INFORMATION OFFICER
(Vacant)
SCHOOLS PROGRAM
CO-ORDINATOR
Donna Terrill

	APPROVED	ACTUAL
December 31, 1987	4	3
1988 changes budgeted		
December 31, 1988	4	

LEGISLATIVE SERVICES

Information Services Department

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$144,700	$140,485	$153,850	$153,850
Consultants	23,000	577	25,000	25,000
Board vehicles	200	310	200	200
Mileage	5,900	6,463	6,150	6,150
Office expenses				
Rent	22,900	22,884	20,200	20,200
Telephone	2,100	2,282	1,800	1,800
Materials and supplies	5,000	2,691	5,500	5,500
Postage	4,000	4,070	4,150	4,150
Duplicating	5,500	6,716	16,000	16,000
Equipment replacement, maintenance & purchases	7,150	5,638	6,850	6,850
Travel	500	825	500	500
Advertising	500		500	500
Other services	7,500	13,412	9,700	9,700
Central administrative services	8,800	8,800	10,900	11,504
Corporate services allocated	6,800	6,863	5,400	5,400
	244,550	222,016	266,700	267,304
Display system & graphics			10,000	10,000
Staff newsletter			5,000	5,000
Production of audio-visuals	23,000	5,635		
Bi-monthly newsletter	36,000	34,728	40,000	40,000
Miscellaneous pamphlets	10,000		14,000	14,000
GVRD Information booklet	23,000	1,575	20,000	20,000
Total Expenditure	$336,550	$263,954	$355,700	$356,304

GENERAL ADMINISTRATIVE SERVICES

Administration Offices

Purpose

To administer the affairs of the GVRD and related corporate entities and carry out Board policy.

Activities or Level of Service

This account covers the costs of the offices of the Regional Manager, Secretary-Treasurer, and Chief Engineer. A portion of the costs of the Finance Comptrollers is included here, as their duties and responsibilities cover more than one district. Costs relating to the offices of other Managers are not included in this program; rather they are charged directly to their departmental budgets. Also included in this account is the cost of intergovernmental services provided to the Regional Manager by the Development Services Department.

The cost of this program is allocated to the various corporate entities.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$532,900	$544,624	$566,500	$566,500
Board vehicles	13,700	13,590	13,700	13,700
Travel	4,500	4,213	4,500	4,500
Recruitment expenses	30,000	19,147		
Consultants		35,154	50,000	50,000
Other services	6,900	19,880	7,400	7,400
Postage	3,000	2,236	3,100	3,100
Telephone	10,000	8,044	6,900	6,900
Materials & supplies	3,400	8,969	5,000	5,000
Duplicating	7,300	9,585	7,600	7,600
Equipment replacement & maintenance	11,500	13,185	11,500	11,500
Central administrative services allocated	9,800	9,800	9,800	10,827
Computer operating costs allocated	6,000	6,100	6,150	6,150
Corporate services allocated	6,800	5,700	4,700	4,700
Rent	76,900	82,206	82,900	82,900
	722,700	782,433	779,750	780,777
Less:				
charged to GVWD Administration	(177,400)	(193,774)	(208,000)	(208,000)
GVS&DD Administration	(198,200)	(216,580)	(232,200)	(232,200)
GVHC Administration	(50,400)	(55,364)	(59,400)	(59,400)
Total Expenditure	$296,700	$316,715	$280,150	$281,177

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES
1988 Budget
Summary

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Central administration [1]	$ 624,150	$ 678,277	$ 426,750	$ 428,773
Personnel A18	338,700	363,529	378,650	389,650
Safety & Security A20	74,800	86,482	81,200	81,200
Total Expenditure	1,037,650	1,128,288	886,600	899,623
Less charged to:				
Central Administrative Services	228,700	247,543	296,650	296,650
GVWD Administration	179,250	182,930	112,700	112,700
GVS&DD Administration	260,800	299,663	189,300	189,300
GVHC Administration	48,900	50,515	31,500	31,500
GVRD functions	45,750	46,415	37,300	37,300
Hospital parkade operations	2,100	2,104	1,900	1,900
Operations	35,600	35,671	39,200	39,200
Engineering	23,900	23,920	16,700	16,700
Construction	19,100	22,673	16,900	16,900
Quality Control	6,800	6,863	5,450	5,450
Forestry	6,800	6,863	5,450	5,450
Housing Operations	6,800	6,863	5,450	5,450
Total Recoveries	864,500	932,023	758,500	758,500
Net	$ 173,150	$ 196,265	$ 128,100	$ 141,123

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(1) Formerly General Corporate Services

GENERAL ADMINISTRATIVE SERVICES

Central Administration

Long-Term and Ongoing Role

Manage central records and filing systems to ensure efficient and economical use of resources.

Direct a complete range of support services including printing, copying and mail delivery activities.

Maintain a library holding a specialized collection of materials relevant to GVRD and member municipality functions and operations.

Establish and regulate procedures relating to materials management, facilities management and fleet management.

Manage an effective telecommunication system and provide main switchboard and information referral services.

Liaise with Metrotown building management company on building services and facilities, administer the leasing of GVRD space in the Metrotown building and manage the tenancies.

1988 Short-Term Objectives

Review the Corporation's telecommunication network to determine possible future requirements and provide a plan for delivery, including cost implications.

Monitor the Corporation's mail and courier services, and investigate alternative methods of seeking improvements at the same or lower cost. Review and update procedures reference for mail delivery and mail room.

Provide a report, with recommendations, on the current procedures for purchasing general office supplies, and the allocation of those costs to the Departments.

Continue the task of microfilming all Central Files, and some Library material, to provide greater access and quicker retrieval of information.

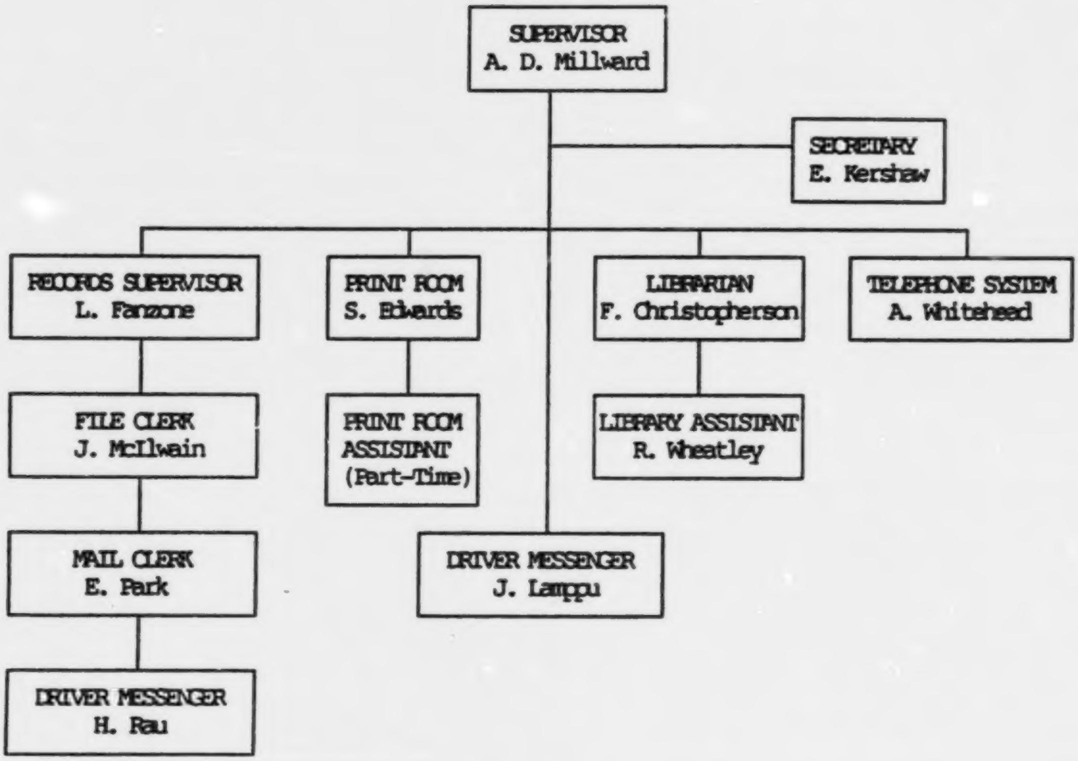
Continue computerization of Library procedures.

Provide a report, with recommendations on the upgrading of the print room equipment in line with more advanced technology including computerization and laser printing.

GENERAL ADMINISTRATIVE SERVICES

CENTRAL ADMINISTRATION

ORGANIZATION CHART


SUPERVISOR
A. D. Millward
SECRETARY
E. Kershaw
RECORDS SUPERVISOR
L. Fanzone
PRINT ROOM
S. Edwards
LIBRARIAN
F. Christopherson
TELEPHONE SYSTEM
A. Whitehead
FILE CLERK
J. McIlwain
PRINT ROOM
ASSISTANT
(Part-Time)
LIBRARY ASSISTANT
R. Wheatley
MAIL CLERK
E. Park
DRIVER MESSENGER
J. Lamppu
DRIVER MESSENGER
H. Rau

	APPROVED	ACTUAL
December 31, 1987	11	11
1988 changes budgeted	1	
December 31, 1988	12	

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Central Administration [1]

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$424,600	$481,569	$281,550	$281,550
Board vehicle & mileage	17,400	16,847	14,050	14,050
Consultants	14,500	17,959	2,500	2,500
Travel	2,700	2,776	1,250	1,250
Rent	80,600	76,893	61,250	61,250
Periodicals	6,300	6,011	6,550	6,550
Postage	2,400	2,140	2,500	2,500
Telephone	5,700	8,335	4,750	4,750
Printing	18,500	13,919	2,900	2,900
Computer costs allocated	6,300	8,000	7,550	7,550
Equipment replacement & maintenance	13,300	11,818	12,000	12,000
Supplies & services	9,250	12,410	10,600	10,600
Central Administrative Services allocated	12,600	14,300	17,200	19,223
Microfilm service	10,000	5,300	2,100	2,100
Total Expenditure	$624,150	$678,277	$426,750	$428,773

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(1) Formerly General Corporate Services

GENERAL ADMINISTRATIVE SERVICES

Personnel Services

Long-Term and Ongoing Role

The Personnel Services Office administers a comprehensive human resource program for the GVRD which includes:

- Recruitment and selection service to department managers and supervisors, including relevant collective agreement interpretation, recruitment skills training, as well as related administrative support.
- Administration of two collective agreements involving active advice and support to management with respect to collective agreement interpretation, performance assessment and employee discipline. In addition, co-ordinates and participates in the negotiation of revised collective agreements and ad hoc GVRDEU bargaining issues.
- A broad ranging employee benefits function, which administers varied benefits entitlements for different employee groups. Further, makes recommendations to management regarding changes to employee benefits to reflect changing needs of the Corporation and its employees.
- An internal training information resource for management and employees, in addition to ongoing in-house personnel related training.

Objective

To provide effective personnel services for the Corporation by ensuring the timely delivery of collective agreement administration and negotiating support, training services and recruitment and compensation services, in order to attract, retain and maximize the human resource capacity of the GVRD.

Review of 1987 Accomplishments

1. Completed a full review of GVRD recruitment methods, which has involved:
   - the development and introduction of an internal employee application form;
   - revised posting form for improved information purposes;
   - revised office records retention practices to ensure more complete access to information in the event of appeals or related enquiries.

2. Recruitment services have demanded a significant resource commitment by the Personnel group, reflected in the number of employees hired in 1987 to date (October 31, 1987):

Regular Full-Time	45
Temporary Full-Time	92
Auxiliary	6

3. In anticipation of a new computerized payroll system, Personnel evaluated and documented all potential personnel related information needs so that these data needs could be met. Upon implementation, this information will provide management with greatly increased information related to salary, benefit and premium costs, as well as absence reporting and establishment control.

GENERAL ADMINISTRATIVE SERVICES

Personnel (Continued)

4. Through the GVRD/GVRDEU Standing Committee, discussions resulted in the introduction of two major changes in hours of work:

   - introduction of modified work week for watershed guard employees;
   - introduction of compressed hours of work schedule at the Iona Island Sewage Treatment Plant for operations employees.

   In addition, the changes introduced for Watershed Guards resulted in the elimination of two duplicate job classifications, as well as "grandfathered" residence entitlements for two remaining caretakers.

5. The development of a Corporate Training Policy has been completed which will pave the way to broader training mandate generally within the GVRD, and additionally, will see increased in-house training services being offered.

6. Support services have been provided for the development of programs such as Employee Involvement and Employee Assistance by Personnel staff so that these programs can be established within the organization.

7. Administered the exempt staff job evaluation plan and supported both the Evaluation and Advisory Committees.

8. Review of exempt employee benefits has been undertaken in 1987 with immediate review of the Regional District's L.T.D. policy resulting in a change of carrier. A broader review of employee benefits will soon be presented for review by the Management Committee.

1988 Short-Term Objectives

- Introduction of Employee Assistance Program to the Regional District.

- Development and implementation of improved Long-Term Service and retirement recognition programs within the organization.

- Renegotiation and restructuring of GVRD/GVRDEU Collective Agreement, with emphasis on more clearly defined wording and commonly recognized understanding of a wide range of articles.

- Supervisory skills training to be provided by Personnel staff in areas of need, such as recruitment and selection skills, collective agreement re-orientation and other areas identified.

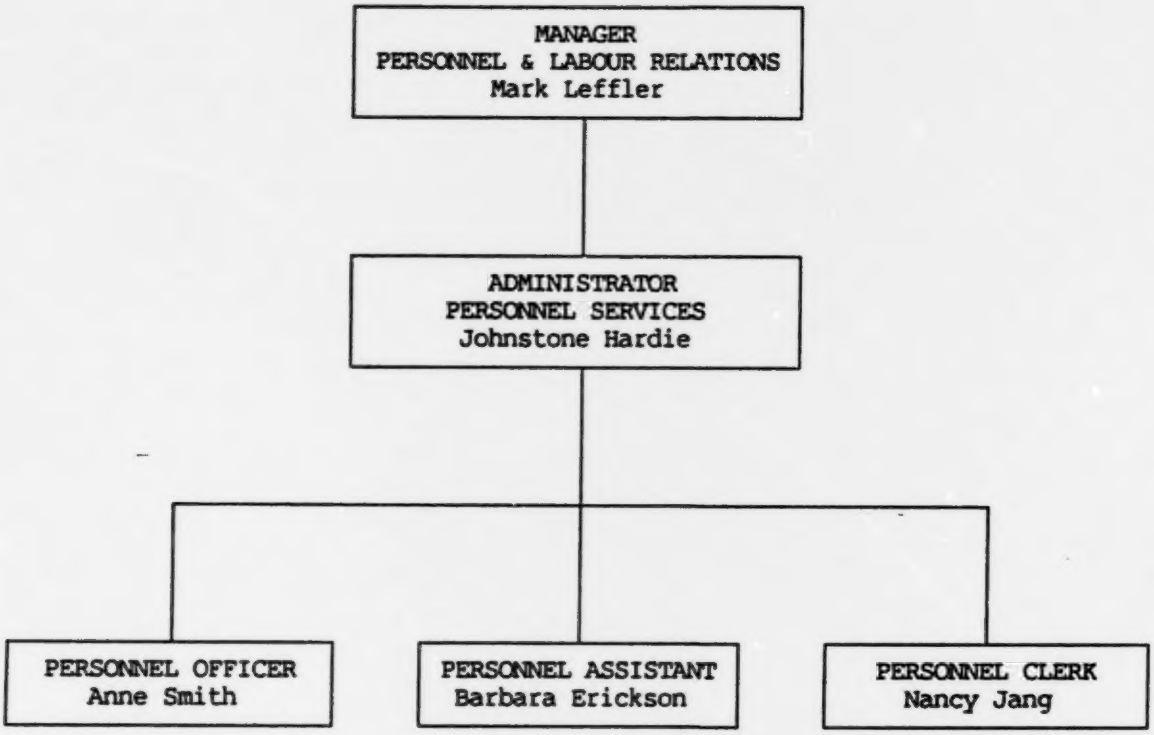
- Streamlining the processing of recruitment and employee training authorization by proactive policy communication to exempt employees.

- Introduction of enhanced computerized personnel/payroll information for management staff in last half of 1988.

GENERAL ADMINISTRATIVE SERVICES

PERSONNEL

ORGANIZATION CHART


MANAGER
PERSONNEL & LABOUR RELATIONS
Mark Leffler
ADMINISTRATOR
PERSONNEL SERVICES
Johnstone Hardie
PERSONNEL OFFICER
Anne Smith
PERSONNEL ASSISTANT
Barbara Erickson
PERSONNEL CLERK
Nancy Jang

	APPROVED	ACTUAL
December 31, 1987	4	4
1988 changes budgeted		
December 31, 1988	4	

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Personnel

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Operating Expenses				
Salaries & employee benefits	$136,150	$163,324	$202,350	$202,350
Rent	39,400	31,192	32,500	32,500
Board vehicles & mileage	1,000	622	1,200	1,200
Consultants	11,000	11,832	10,000	10,000
Labour Relations Services	18,300	18,300	18,300	18,300
Telephone	3,200	3,266	3,300	3,300
Supplies & other services	9,550	13,336	11,500	11,500
Duplicating	2,500	980	2,500	2,500
Equipment replacement & maintenance	4,900	2,291	2,300	2,300
Computer services allocated	2,700	2,400	2,700	2,700
Legal fees			10,000	10,000
	228,700	247,543	296,650	296,650
Other Programs				
Employee Involvement program	40,000	46,605	40,000	40,000
Employee Development program	40,000	18,434	10,000	10,000
Job Evaluation program	30,000	50,947	10,000	20,000
Employee Assistance program			22,000	23,000
	110,000	115,986	82,000	93,000
	$338,700	$363,529	$378,650	$389,650

GENERAL ADMINISTRATIVE SERVICES

Safety & Security

Long-Term and Ongoing Role

Develop and maintain safety and security procedures which are consistent with legislative and Corporation requirements.

Develop and co-ordinate appropriate safety training and certification.

Maintain superior physical plant security by controlling access to specified work areas.

1988 Short-Term Objectives

Co-ordinate a complete examination of the role, responsibilities and alternatives for Safety and Security within the GVRD.

Based on training developed in 1986, implement appropriate training leading to certification or re-certification of personnel required to handle dangerous goods as required under the Transportation of Dangerous Goods Act.

Continue training in a number of areas including: the District's chain saw training certificate program, emergency response training as it relates to potential release of chlorine or sulphur dioxide, and, in concert with WCB, appropriate training as it relates to confined space entry.

Commence a program of WCB related courses in safety training for staff involved in supervisory roles, including foremen and lead hands, who have direct responsibility for on-site safety procedures.

Continue co-ordinating the investigation into air quality complaints in Metrotown Place.

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Safety & Security

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$ 43,700	$ 43,289	$ 44,500	
Board vehicles	4,050	3,994	4,050	
Mileage	300	413	350	
Rent	20,900	21,931	21,950	
Telephone	900	673	3,800	
Materials & supplies	3,100	8,577	4,100	
Duplicating	300	504	300	
Other services	1,450	6,756	1,550	
Equipment replacement & maintenance	100	345	600	
	$ 74,800	$ 86,482	$ 81,200	$ 81,200

GENERAL ADMINISTRATIVE SERVICES

Property Division

Long-Term and Ongoing Role

Co-ordinate, direct and maintain the District's real estate practices and procedures to a consistent and high standard.

Provide a complete range of property acquisition services, including negotiation and valuation, to ensure timely acquisition of required properties or interests in properties to meet the needs of the Departments.

Administer the general disposition process of lands and improvements that are surplus to the needs of the Districts; including: site preparation, valuation, tendering, marketing and transfer.

Provide property management services for all Departments, with the exclusion of day-to-day operation and maintenance of month-to-month tenancies and the respective buildings unless requested by the Department. Property Management includes: assessment reviews, tax reviews, facilities inventory, properties records, encroachments, general property inquiries, and other property matters arising out of ownership.

1988 Short-term Objectives

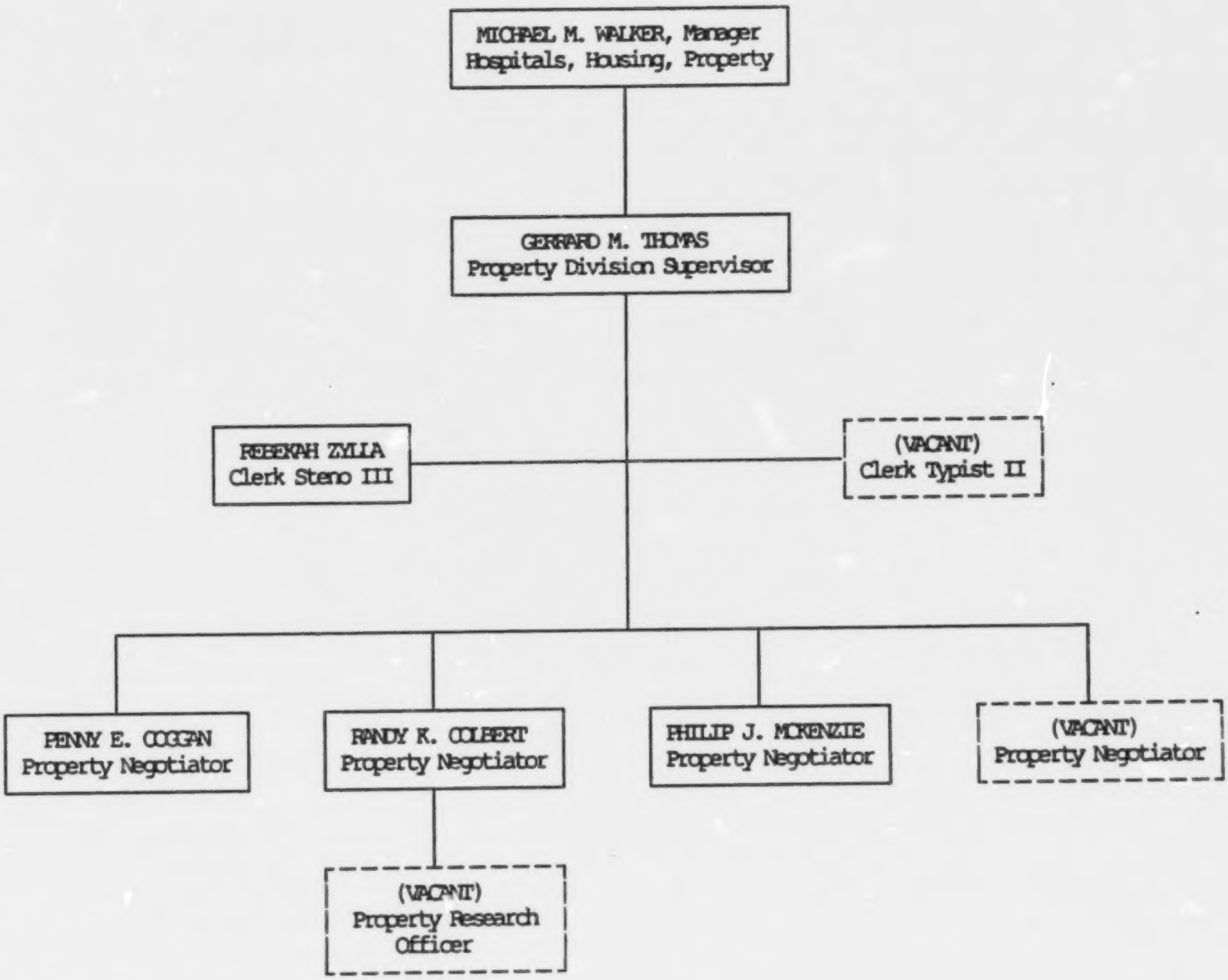
1. Continue the acquisition, disposal and property management of incomplete 1987 assignments.
2. Respond to new acquisition, disposal and property management assignments.
3. Commence resolution of outstanding property issues occasioned by recent staff retirements.
4. Complete the inventory of the Water and Sewer Districts' properties and complete entry of data into Property Information System.
5. Priorize all outstanding Right-of-Ways and commence resolution of high priority properties.
6. Cross-check Water and Sewer District properties with British Columbia Assessment Authority.
7. Monitor the Property Information System and institute program changes as required.
8. Complete first draft of Policy and Procedure manual detailing relationship and areas of responsibility between Departments and Property Division.
9. Continue the assembly of legal mapping.

A21

GENERAL ADMINISTRATIVE SERVICES

PROPERTY DIVISION

ORGANIZATIONAL CHART


MICHAEL M. WALKER, Manager
Hospitals, Housing, Property
GERRARD M. THOMAS
Property Division Supervisor
REBEKAH ZYLLA
Clerk Steno III
(VACANT)
Clerk Typist II
PENNY E. COGGAN
Property Negotiator
RANDY K. COLBERT
Property Negotiator
PHILIP J. MCKENZIE
Property Negotiator
(VACANT)
Property Negotiator
(VACANT)
Property Research Officer

	APPROVED	ACTUAL
December 31, 1987	5.1	5.1
1988 changes budgeted	3.0	
December 31, 1988	8.1	

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

PROPERTY DIVISION

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$250,700	$227,040	$352,500	$384,900
Board vehicles & mileage	7,500	1,060	1,200	8,600
Travel	1,000		4,000	5,100
Telephone	5,300	3,562	7,300	6,500
Consultants	85,000	28,826	92,000	67,000
Legal fees		16,824	20,000	20,000
Supplies & other services	4,600	40,596	9,000	11,000
Equipment replacement & maintenance	2,800	788	4,000	4,000
Computer costs allocated	3,200	3,200	3,050	3,050
Computer programs		15,278	10,000	10,000
Rent	34,000	28,801	32,450	32,450
Indirect departmental costs allocated		4,665	6,000	6,000
Central Administrative Services allocated	14,000		19,150	19,150
	408,100	370,640	560,650	577,750
Less charged to:				
Property Acquisitions	299,200	248,822	363,000	351,000
GVWD Administration	31,000	29,070	48,000	100,400
GVS&DD Administration	48,700	42,237	77,400	107,000
GVHC Administration		4,820	13,500	3,760
Total Recoveries	378,900	324,949	501,900	562,160
Net	$ 29,200	$ 45,691	$ 58,750	$ 15,590

GENERAL ADMINISTRATIVE SERVICES

Finance

Long-Term and Ongoing Role

Finance involves the statutory responsibilities of the Secretary-Treasurer's office, the provision of secretarial services to the Board and Committees, and the provision of financial, accounting, budgeting, purchasing, computer and systems services to the various operating departments in an effective and efficient manner.

The estimated 1988 cash flow for all activities, excluding expenditures to the sole cost of outside organizations, is as follows:

Capital Expenditures	$ 91,689,000
Annual Operating Expenditures	171,726,000
	$263,415,000

Secretary-Treasurer's Office

Undertake the statutory duties and responsibilities of Secretary and Treasurer as provided in the Municipal Act, the Hospital Districts' Act, the Greater Vancouver Water District Act, the Greater Vancouver Sewerage & Drainage District Act and the Company's Act.

Administer all by-laws and documents signed under seal.

Ensure the provision of secretarial and support services to the Chairman, the Board of Directors and Committees.

Manage the District's finances in accordance with sound and prudent policies and the relative statutory requirements.

Ensure the provision of accounting, budgeting, purchasing, insurance, computer operating and systems services to the various departments and functions in an effective manner.

Secretariat

Provide secretarial and related administrative services to the Board and its function committees including minutes and processing of by-laws.

Revise and maintain annual voters' lists and to conduct local elections (for GVRD Directors and the Island Trust) in the Region's three Electoral Areas, pursuant to the Municipal Act.

Provide administrative assistance to the Secretary-Treasurer and the Chairman as required.

Undertake administrative services for the GVRD's Electoral Areas.

GENERAL ADMINISTRATIVE SERVICES

Finance (Continued)

Accounting

Provide accounting, accounts payable and payroll services for all corporate entities in accordance with generally accepted accounting principles, for local government in British Columbia.

Maintain an on-line computerized integrated financial information system.

Provide required financial reports to management.

Prepare the annual financial statements for the various corporate entities.

Provide assistance to all departments, as requested.

Budget and Treasury

Co-ordinate and prepare the provisional and annual operating budgets, and the five-year capital expenditure program.

Provide budget analyses and cost control information to department managers.

Provide corporate reporting and performance measurement information.

Administer the cash, debt and sinking fund management services for all corporate entities.

Provide assistance to the Treasurer in arranging long-term financing.

Monitor money market data.

Provide research services with respect to financial matters affecting the Districts and the region as a whole.

Purchasing

Provide centralized purchasing of goods and services for the various functions.

Work with other public bodies in co-operative buying arrangements.

Administer the District's insurance program, including risk management, cost control and insurance valuations.

Provide a centralized stores operation.

Computer Operations

Provide centralized on-line time-sharing computer services to all departments.

GENERAL ADMINISTRATIVE SERVICES

Finance (Continued)

Computer Operations (Continued)

Maintain a computer network to provide for micro-computers to communicate with the central system and printers.

Provide common software programs such as word processing to all departments.

Systems

Provide assistance to departments with respect to computer systems analysis and design and software application programs.

Monitor new software products and changes in the computer industry.

1988 Short-Term Objectives

Finalize proposed changes to the G.V.W.D. and G.V.S. & D.D. Acts.

Complete the conversion of payroll to the new computer system.

Update the computer operations strategic plan.

Review the financial reporting system with Department Managers and update where necessary.

Install a computerized purchase order and commitment system to increase efficiency and provide more timely information.

Continue the review and update of the accounting, budgeting and purchasing policy and procedures manual.

Continue the review of financial systems with a view to increasing efficiency.

Undertake long-term financing for the Water, Sewerage & Drainage Districts amounting to $142,000,000.

Undertake the refinancing of mortgages maturing in Housing Corporation amounting to $111,299,621.

Undertake a valuation of the Districts' physical plant for insurance purposes.

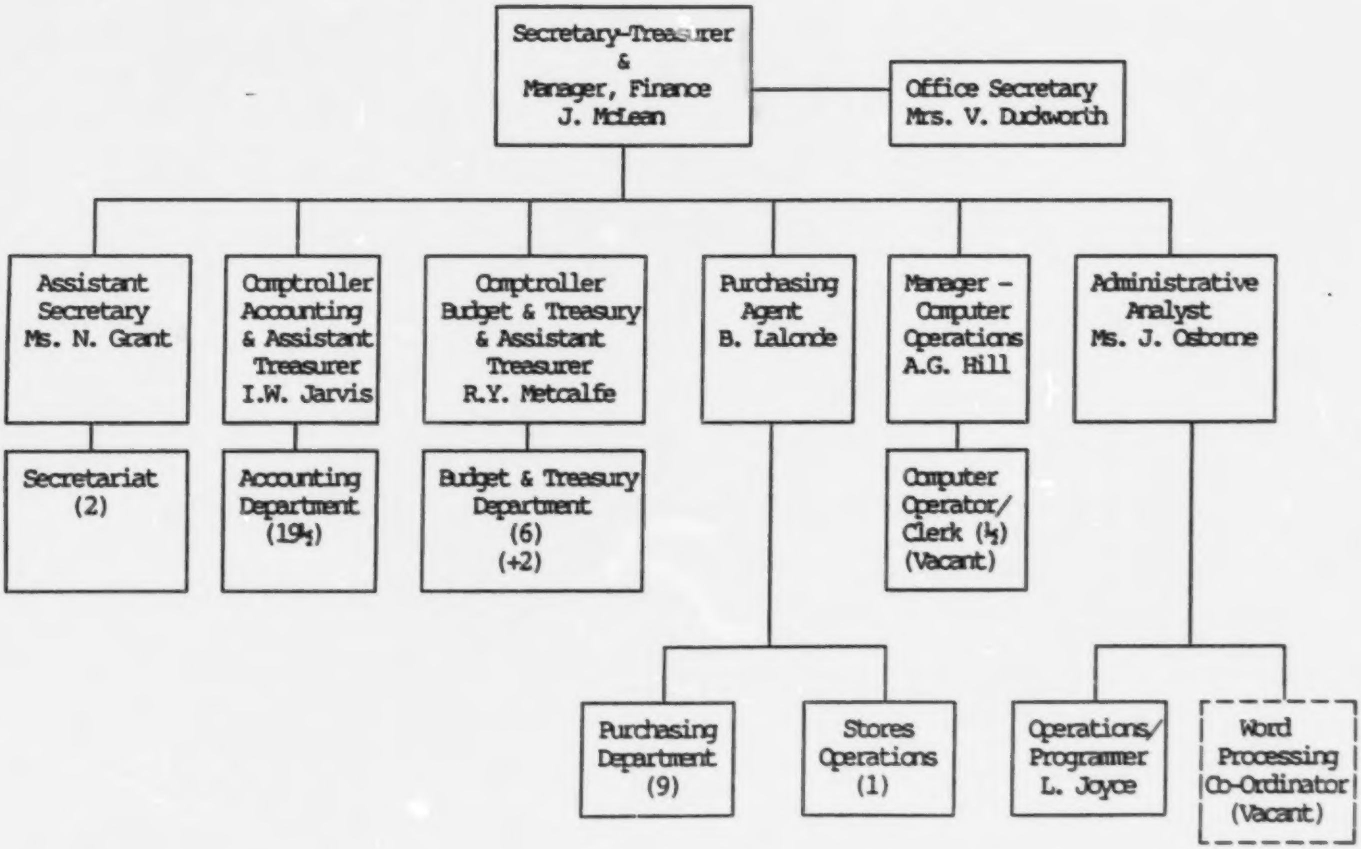
Establish formal risk management policies and procedures.

GENERAL ADMINISTRATIVE SERVICES

Finance (Continued)

Review of 1987 Objectives

1. The financial information system was converted to the new computer system and new accounting software programs installed.
2. Work on updating the accounting and purchasing policy and procedures manuals was delayed due to new managers taking over in the accounting and purchasing departments.
3. Work on the new computerized purchase order and commitment system was commenced but was considerably delayed due to deficiencies in purchased computer software that showed up in testing procedures.
4. The establishment of formal risk management policies and procedures was commenced after being delayed pending the hiring of a new Purchasing Manager.
5. Financial system reviews are continuing.


Secretary-Treasurer & Manager, Finance J. McLean
Office Secretary Mrs. V. Duckworth
Assistant Secretary Ms. N. Grant
Comptroller Accounting & Assistant Treasurer I.W. Jarvis
Comptroller Budget & Treasury & Assistant Treasurer R.Y. Metcalfe
Purchasing Agent B. Lalonde
Manager - Computer Operations A.G. Hill
Administrative Analyst Ms. J. Osborne
Secretariat (2)
Accounting Department (19½)
Budget & Treasury Department (6) (+2)
Computer Operator/ Clerk (½) (Vacant)
Purchasing Department (9)
Stores Operations (1)
Operations/ Programmer L. Joyce
Word Processing Co-Ordinator (Vacant)

GENERAL ADMINISTRATIVE SERVICES

Accounting Department

Activities or Level of Service

To provide the following centralized services to all functions:

Payroll

Accounts payable

General accounting services

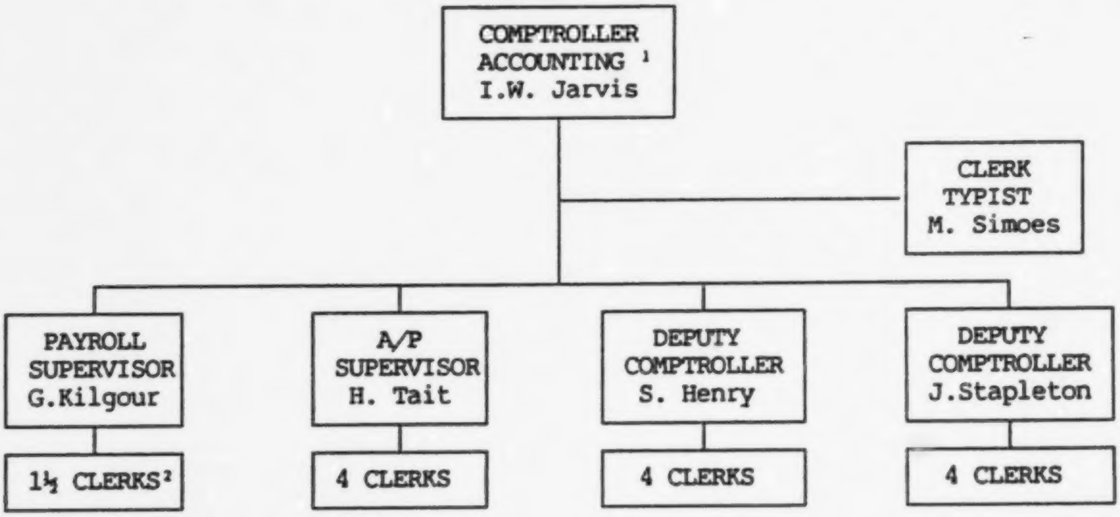
Capital expenditure control and reporting

Periodic financial reports

On-line computerized financial information system available to all functions down to the transaction level of detail.

Claiming Federal and Provincial sales tax rebates on capital projects.

Claiming Federal and Provincial Government grants.


COMPTROLLER ACCOUNTING ¹ I.W. Jarvis
CLERK TYPIST M. Simoes
PAYROLL SUPERVISOR G.Kilgour
A/P SUPERVISOR H. Tait
DEPUTY COMPTROLLER S. Henry
DEPUTY COMPTROLLER J.Stapleton
1½ CLERKS²
4 CLERKS
4 CLERKS
4 CLERKS

(1) ½ charged to Administration Offices
(2) ½ Clerk charged to Computer Operations and Accounting

	APPROVED	ACTUAL
December 31, 1987	19½	19½
1988 changes budgeted		
December 31, 1988	19½	

GREATER VANCOUVER REGIONAL DISTRICT

Accounting Department

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$ 680,400	$ 669,940	$ 686,000	$ 689,800
Mileage	1,100	765	1,150	1,150
Travel	1,000	591	1,000	1,000
Office expenses				
Rent	146,500	146,176	130,600	130,600
Postage	7,700	7,911	8,700	8,700
Telephone	14,300	15,000	13,000	13,000
Materials & supplies	16,000	18,192	18,150	19,150
Duplicating	1,300	1,217	1,300	1,300
Bank charges	1,200	1,130	1,250	1,250
Other services	10,000	12,809	9,250	11,250
Equipment replacement & maintenance	21,500	18,244	21,500	21,500
Computer programs	40,000	37,700	55,000	67,000
Computer services	117,800	130,600	104,300	104,300
	$1,058,800	$1,060,275	$1,051,200	$1,070,000

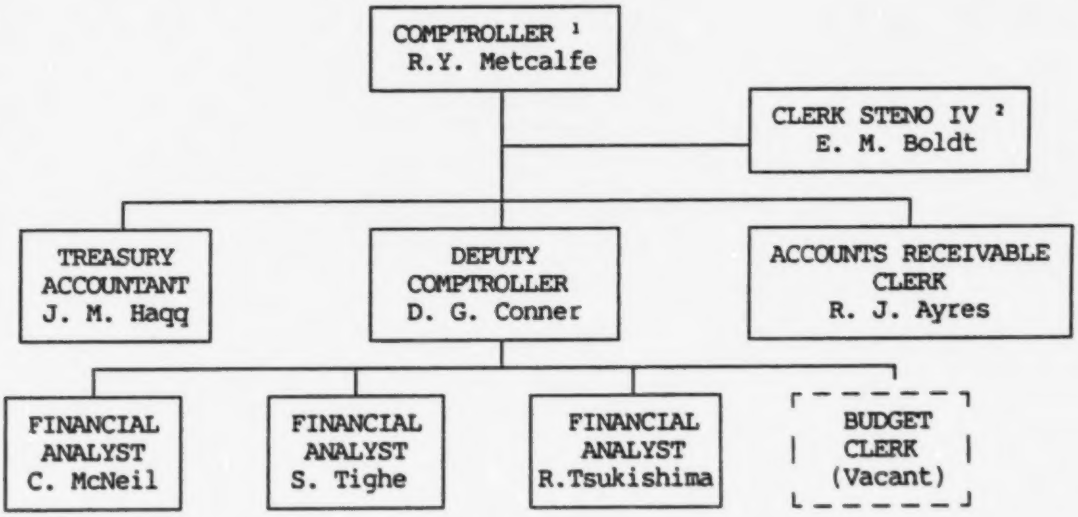
GENERAL ADMINISTRATIVE SERVICES

Budget & Treasury Department

Activities or Level of Service

To provide the following centralized services to all departments:

- Cash management
- Debt management
- Sinking Fund management
- Annual budget co-ordination and production
- Budget analysis and cost control
- Five-year capital expenditure program co-ordination and production
- Assistance in arranging long-term financing
- Monitoring money market data and providing research for investment and borrowing decisions.


COMPTROLLER [1]
R.Y. Metcalfe
CLERK STENO IV [2]
E. M. Boldt
TREASURY ACCOUNTANT
J. M. Haqq
DEPUTY COMPTROLLER
D. G. Conner
ACCOUNTS RECEIVABLE CLERK
R. J. Ayres
FINANCIAL ANALYST
C. McNeil
FINANCIAL ANALYST
S. Tighe
FINANCIAL ANALYST
R.Tsukishima
BUDGET CLERK
(Vacant)

(1) ½ charged to Administration Offices
(2) Charged to Administration Offices

	APPROVED	ACTUAL
December 31, 1987	7	7
1988 changes	2	
December 31, 1988	9	

GREATER VANCOUVER REGIONAL DISTRICT

Budget and Treasury Department

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$253,600	$248,716	$317,200	$
Mileage	700	875	700	
Travel	800	12	800	
Consultants		3,655		
Office expenses				
Rent	54,300	54,302	48,000	
Telephone	4,600	4,648	4,000	
Materials & supplies	2,650	2,120	2,750	
Duplicating	8,700	11,940	11,300	
Other services	3,550	5,833	3,550	
Equipment replacement & maintenance	5,700	8,503	9,700	
Computer programs	8,100	3,000	3,500	
Computer services	13,600	11,900	10,700	
Total Expenditure	$356,300	$355,504	$412,200	$412,200

GENERAL ADMINISTRATIVE SERVICES

Computer Operations

Activities or Level of Service

Backup of system and user files onto tape for safekeeping.

Analyzing the cause of equipment problems and expediting the solution to same.

Analyzing the cause of users' program problems and expediting the solution to same.

Analyzing computer system performance re proper job mix to ensure priorities are met.

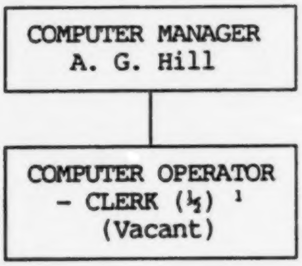
Analyze system enhancements, testing and implementing same.

Analyze the use of system resources to ensure all redundant data is removed so as to maintain a reasonable response time.

Ensuring proper maintenance of system and analyzing trends developing from system statistics so as to ensure minimum downtime.

Provide input into the computer system long range plan.

To monitor new computer equipment technology to ensure computer resources are up to date.



(1) Charged to Computer Operations and Accounting.

	APPROVED	ACTUAL
December 31, 1987	1½	1½
1988 changes		
December 31, 1988	1½	

GREATER VANCOUVER REGIONAL DISTRICT

Computer Operations Department

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Central Computer Operations				
Salaries & employee benefits	$ 62,000	$ 58,057	$ 69,800	$ 69,800
Rent	36,500	36,204	31,973	31,973
Consultants	5,400	6,120	5,000	7,000
Materials & supplies	11,600	11,033	14,000	14,000
Telephone	3,800	2,394	3,950	3,950
Other services	10,400	12,113	10,770	13,770
	129,700	125,921	135,493	140,493
Provision for equipment replacement	80,100	90,282	77,000	85,100
Equipment maintenance	45,000	56,819	51,000	59,300
Software amortization & maintenance	23,800	27,772	32,500	33,800
Total Expenditure	278,600	300,794	295,993	318,693
Allocated to user departments	(278,600)	(300,794)	(295,993)	(318,693)
	$ NIL	$ NIL	$ NIL	$ NIL
Terminals & Printers				
Provision for replacement	$ 39,600	$ 45,066	$ 38,600	$ 39,300
Maintenance	14,000	5,850	9,900	9,900
Supplies	7,500	18,387	12,500	17,500
Total Expenditure	61,100	69,303	61,000	66,700
Allocated to user departments	(61,100)	(69,303)	(61,000)	(66,700)
	$ NIL	$ NIL	$ NIL	$ NIL

GENERAL ADMINISTRATIVE SERVICES

Systems

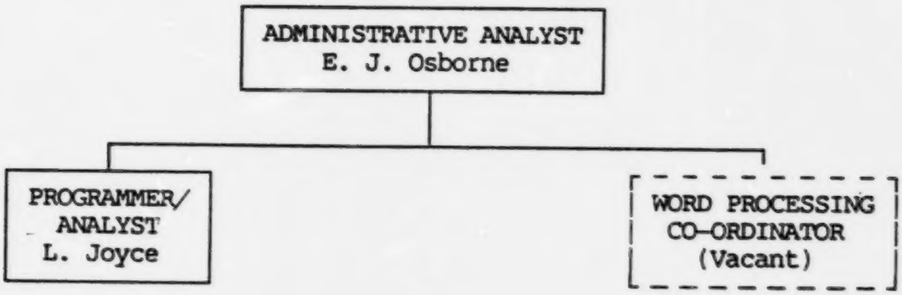
Activities or Level of Service

To provide systems analysis and design services at the request of department managers.

To assist department staff in the use of micro-computers and word processing as well as the main computer applications.

To provide input into the computer system long range plan.

To monitor the introduction of new computer software application products and report to senior management any applications of which they should be aware.



	APPROVED	ACTUAL
December 31, 1987	2	1
1988 changes	1	
December 31, 1988	3	

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$62,100	$60,902	$ 79,400	$108,300
Rent	8,900	8,878	7,850	7,850
Consultants	6,000	4,130	6,000	6,000
Travel	2,850	1,590	2,850	2,850
Telephone	1,900	1,034	1,500	1,500
Supplies & services	650	1,480	4,850	9,150
Equipment replacement & maintenance	200	103	1,000	1,000
Computer costs allocated	4,800	3,700	4,800	4,800
	$87,400	$81,817	$108,250	$141,450

GENERAL ADMINISTRATIVE SERVICES

Purchasing

Purpose

To centrally purchase all goods and services;

To provide a centralized stores (inventoried stock) operation;

To dispose of surplus goods;

To provide central risk management including administration of insurance;

To administer part of vehicle fleet.

1988 Short-Term Objectives

1. Develop and implement automated purchasing system;
2. Develop and implement interface with accounting to facilitate encumbrance accounting;
3. Develop and implement policy and procedures pertaining to purchasing;
4. Move from insurance administration to a risk management role with development of related policy and procedures.

1987 Objectives

Not met due to death of purchasing agent and position being vacant for eight months.

Activities or Level of Service

To invite tenders for the supply of goods and services so as to attain best value for public funds and in a manner which is fair and open to all who wish to do business with the District;

To enter into contracts on behalf of GVRD which best protect it's interests;

To administer tendering procedures for other contracting authorities;

To administer stores operations including maintenance of inventory records;

To maintain furniture and equipment asset inventory;

To determine most appropriate methods of procurement;

To administer performance with regard to goods and services contracts;

To develop sources of supply;

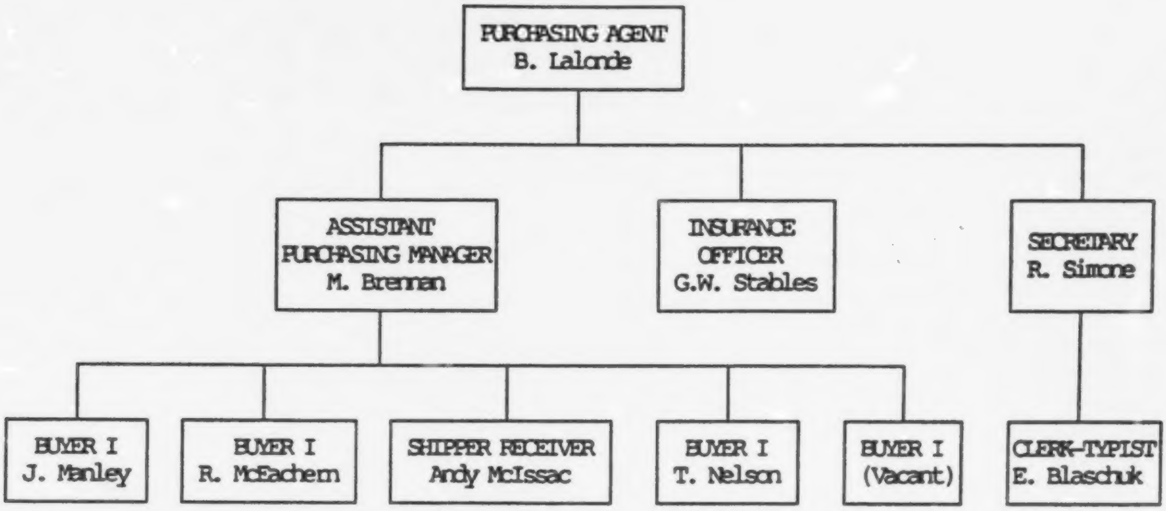
To administer designated fleet of vehicles;

To develop and implement cyclical procurement plans.

GREATER VANCOUVER REGIONAL DISTRICT

PURCHASING DEPARTMENT

ORGANIZATION CHART


PURCHASING AGENT
B. Lalonde
ASSISTANT PURCHASING MANAGER
M. Brennan
INSURANCE OFFICER
G.W. Stables
SECRETARY
R. Simone
BUYER I
J. Manley
BUYER I
R. McEachern
SHIPPER RECEIVER
Andy McIssac
BUYER I
T. Nelson
BUYER I
(Vacant)
CLERK-TYPIST
E. Blaschuk

	APPROVED	ACTUAL
December 31, 1987	10	9
1988 changes budgeted		
December 31, 1988	10	

GREATER VANCOUVER REGIONAL DISTRICT

Purchasing

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$362,500	$357,833	$412,000	$393,850
Board vehicles & mileage	14,450	14,480	14,700	14,700
Travel	900	416	900	900
Insurance study			40,000	40,000
Office Expenses				
Telephone	10,600	11,671	10,400	10,400
Postage	4,500	4,781	4,700	4,700
Equipment replacement & maintenance	7,500	7,228	9,000	9,000
Supplies & other services	18,000	23,975	24,800	24,800
Duplicating	800	847	850	850
Computer services	9,300	3,500	9,200	9,200
Rent	59,300	59,425	52,500	52,500
Indirect departmental costs		9,899		
Consultants		656		
Total Expenditure	$487,850	$494,711	$579,050	$560,900

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

Central Administrative Services
1988 Budget
Summary

	Sch	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget	% Change over 1987 Final Budget
Finance & Administration						
Accounting	A28	$1,058,800	$1,060,275	$1,051,200	$1,070,000	+ 1.1
Budget & Treasury	A30	356,300	355,504	412,200	412,200	+ 15.7
Systems	A33	87,400	81,817	108,250	141,450	+ 61.8
Purchasing	A36	487,850	494,712	579,050	560,900	+ 15.0
		1,990,350	1,992,308	2,150,700	2,184,550	+ 9.8
Corporate Services						
Transfer from Corporate Services - Personnel	A17	228,700	247,536	296,650	296,650	+ 29.7
Total Expenditure		$2,219,050	$2,239,844	$2,447,350	$2,481,200	+ 11.8
Recovery of Central Administrative Services						
Charges to District Departments						
GVRD functions		$ 267,800	$ 256,453	$ 267,400	$ 287,050	+ 7.2
Operations Division		619,000	635,000	702,800	716,850	+ 15.8
Engineering Division		132,700	154,000	139,400	144,950	+ 9.2
Mechanical Division		74,300	74,300	80,800	81,950	+ 10.3
Construction Division		231,400	217,000	220,650	224,800	- 2.9
Quality Control Division		87,300	80,000	85,400	87,000	- 0.3
Waste Disposal Operations		13,000	13,000	17,600	17,600	+ 35.4
Other minor operations		54,750	54,750	61,300	61,500	+ 12.3
Hospital District Admin.		48,950	48,950	64,600	64,600	+ 32.0
Regional District Admin.		28,150	28,150	31,800	31,800	+ 13.0
Water District Admin.		39,850	39,850	43,600	43,600	+ 9.4
Water District Capital		12,000	16,950	32,200	32,200	+168.3
Sewerage District Admin.		54,150	54,150	59,100	59,100	+ 9.1
Sewerage District Capital		74,100	103,975	46,000	46,000	- 37.9
Sinking Fund Admin.		27,900	27,885	32,700	32,700	+ 17.2
		1,765,350	1,804,413	1,885,350	1,931,700	+ 9.4

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget	% Change over 1987 Final Budget
Charges recoverable from other sources					
Greater Vancouver Housing Corporation	$ 379,250	$ 380,056	$ 397,350	$ 403,050	+ 6.3
Forestry Division	87,600	80,700	93,800	95,700	+ 9.2
Parks Rentals	13,400	13,390	13,900	14,050	+ 4.9
	480,250	474,146	505,050	512,800	+ 6.8
Total Recovery	$2,245,600	$2,278,559	$2,390,400	$2,444,500	+ 8.9
Excess (Deficiency) of Recovery over Expenditure	$ 26,550	$ 38,715	$ (56,950)	$ (36,700)	
Accumulated recovery from previous years	37,927	47,925	106,627	86,640	
Excess carried forward to next year	$ 64,477	$ 86,640	$ 49,677	$ 49,940	

GREATER VANCOUVER REGIONAL DISTRICT

GENERAL ADMINISTRATIVE SERVICES

General Expenses

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Audit	$ 54,200	$ 55,561	$ 56,400	$ 56,400
Legal	25,000	12,156	25,000	25,000
Insurance	41,500	36,346	39,300	39,300
Provision for contingencies	20,000		20,000	40,000
Materials, supplies & other services	4,100	9,943	4,300	4,300
Total Expenditure	$144,800	$114,006	$145,000	$165,000

"B"

GREATER VANCOUVER REGIONAL DISTRICT

AIR POLLUTION CONTROL
SUMMARY OF INCREASE IN 1988
EXPENDITURES OVER 1987 FINAL BUDGET

1987 Final Budget			$1,845,800
Operating Costs			
1988 Extraordinary Items			
Consultant - Air Management Plan		120,000	
Changes in level of service			
Annualization of Incinerator Monitoring Program	$ 101,200		
Annualization of 1987 staff increase	8,200		
Permit inventory and fee system	27,000		
		136,400	
Change in base budget			
Sampling equipment replacement	5,600		
Other	23,600		
		29,200	
Inflation		42,300	
			327,900
Debt Charges			
Decrease in contribution to capital, re movement and addition of monitoring stations			(67,800)
1988 Final Budget			$2,105,900

AIR POLLUTION CONTROL

Long-Term and Ongoing Role

The air pollution control function involves the administration and enforcement of the Provincial Waste Management Act and the Regional District Air Pollution Control By-law No. 92, as well as the operation of two ambient air monitoring programs. The enforcement programs are not of a voluntary nature, but are programs that the Regional District is legally obliged to perform.

1. Waste Management Act Administration - applies to most emissions with particular emphasis on industrial sources. An inventory of Regional emission sources is maintained and major emissions are controlled by permits, approvals and orders issued by the District Director, in general accordance with Provincial and Federal guidelines.
2. By-law Administration - applies to domestic, commercial and institution heating installations and incinerators for the disposal of domestic and commercial wastes, having a capacity of five tons per hour or less. Only approved equipment may be operated, with permits being required for the installation and operation of new facilities.
3. Ambient Air Particulate Monitoring - involves the measurement of coefficient of haze, dustfall, total suspended particulate and suspended particulate metals at 41 stations.
4. Ambient Air Gaseous Monitoring - involves the measurement of gaseous pollutants and selected meteorological parameters at 23 stations, in cooperation with industry and senior government.

In performing the air pollution control function, the Regional District maintains a 24-hour response to citizen complaints of excessive emissions and related air quality problems. Approximately 1,500 such complaints are received annually, with 20-25% being reported outside of normal working hours. These complaints are investigated and remedial action secured, in most cases.

1988 Short-Term Objectives

In addition to maintaining the existing enforcement and monitoring programs, several short-term objectives have been set for 1988. These include continuation of projects related to the establishment of regional air quality objectives and management strategies, the oxidant control program, and the upgrading of the GVRD air quality monitoring network. The short-term objectives for 1988 include:

1. EMISSION INVENTORY & PERMIT FEE SYSTEM

The emission inventory for 1985 was completed in late 1987. Work will continue on the upgrading of the inventory database to include emission test data and permit compliance information. It is important that the emission inventory be kept up-to-date so that its use as an emission management system can be maximized.

In 1987, the provincial Ministry of Environment and Parks instituted a fee system for Waste Management Act permittees. GVRD Pollution Control must provide industry liaison and the industrial production information on which the fees are based. In 1988, this industrial information database will be improved and enhanced, in conjunction with the emission inventory work.

The 1988 budget provides $27,800 for the ongoing inventory/fee systems. The permit fees will result in additional provincial revenues to the District with the 1988 grant estimated to be up $250,000 to $475,000.

2. OXIDANT CONTROL PROGRAM

The Regional District will continue to contribute toward the federal/provincial/regional Lower Mainland oxidant control program in 1988. Assistance will be provided to provincial projects in air quality dispersion and photochemical modelling, as well as providing input to studies on the impacts of ozone on vegetation.

3. AIR QUALITY ASSESSMENT, FORECASTING AND REPORTING

The District will continue to work with senior governments to establish regional air quality objectives and to develop related air management strategies. These will incorporate the assessment of source-specific emission control programs from major sources such as the Burrard Thermal Generating Plant program.

In particular, the Waste Management Act Administration Program provides an additional $120,000 in 1988 for consulting services in the preparation of a regional Air Management Plan. The consultant will review the District's enforcement programs and monitoring data and provide basic recommendations for the Plan which will outline the control issues to be dealt with and discuss recommendations for air quality objectives.

In 1988, the new refuse incinerator will be commissioned and the associated ambient air monitoring program with four new air quality stations and a mobile monitoring facility will begin collecting post-startup data. These measurements will be compared with the pre-startup monitoring results to determine any air quality changes resulting from incinerator emissions. The 1988 budget provides an additional $109,200 to carry out the incinerator monitoring program, imposed by provincial authorities.

4. MONITORING OF EMISSION SOURCES

The District's eight Pollution Control Officers will continue to conduct a large number of inspections of emission sources to ensure that compliance with Regional requirements is achieved. The stack testing program provides additional monitoring in the field to ensure compliance with air pollution requirements. This information is also being incorporated into the inventory work to assist in the assessment of progress in achieving long-term air quality objectives.

The sampling equipment in this program has been used constantly over the past 15 years and much of it is in need of replacement. The 1988 budget provides $5,600 for the purchase of this equipment.

5. MONITORING NETWORK IMPROVEMENTS

The program to implement the recommendations of the 1986 air quality monitoring network review task force will continue. The original schedule was to complete the upgrading projects in 1988, however priorities of other work has required that 50 percent of the tasks and budget resources originally allocated to 1988, have been deferred to 1989. The $79,900 that have been deferred to 1989 include $12,100 in labour and $67,800 in material improvements. In 1988, improvements will be made to monitoring stations on the North Shore and in Central Burnaby.

The addition of new air monitoring stations over the past few years has placed an increased load in the data telemetry system, resulting in decreased reliability of aging equipment. A project to review and upgrade the AQMS computer telemetry system is scheduled to begin in 1988.

6. OTHER OBJECTIVES

The District's program for integration of word processing into the permit issuance procedure will be completed in 1988. Computer storage of this Permit information combined with Permit management information to be incorporated into the emission inventory database will substantially increase Permit amendment and administrative efficiency.

REVIEW OF PRIOR YEAR'S OBJECTIVES

Emission Control Programs

The Lower Mainland Emission Inventory project has been completed for the 1985 study year, and the inventory database is now ready to be used by B.C. Ministry of Environment and Parks meteorologists for regional air quality modelling studies. Work on the establishment of air quality objectives and management strategies was initiated in 1987, and this work will be accelerated in 1988.

Substantial progress was achieved in 1987 with respect to the review of Air Pollution Control Bylaw No. 92. The completed revision of this Bylaw is currently scheduled for presentation to the GVRD Administration Board early in 1988.

The addition of a second full time Sampling Technician substantially enhanced the District's stack testing capability. The present program is B.C.'s most extensive and annually includes over 300 tests at approximately 40 sources. While certainly not all of the 3000 sources under permit require testing, additional monitoring is increasingly required for the emission inventory and other enforcement purposes.

Ambient Monitoring Programs

The District's capabilities in air quality interpretation and assessment were enhanced in 1987 with the hiring of a meteorologist to fill the new Ambient Air Analyst position. Contributions by District staff in studies and research into health impacts, vegetation damage, acid precipitation assessment, motor vehicle assessment and maintenance, and modelling of wind field and photochemical oxidant resulted in significant progress in understanding of regional air quality problems.

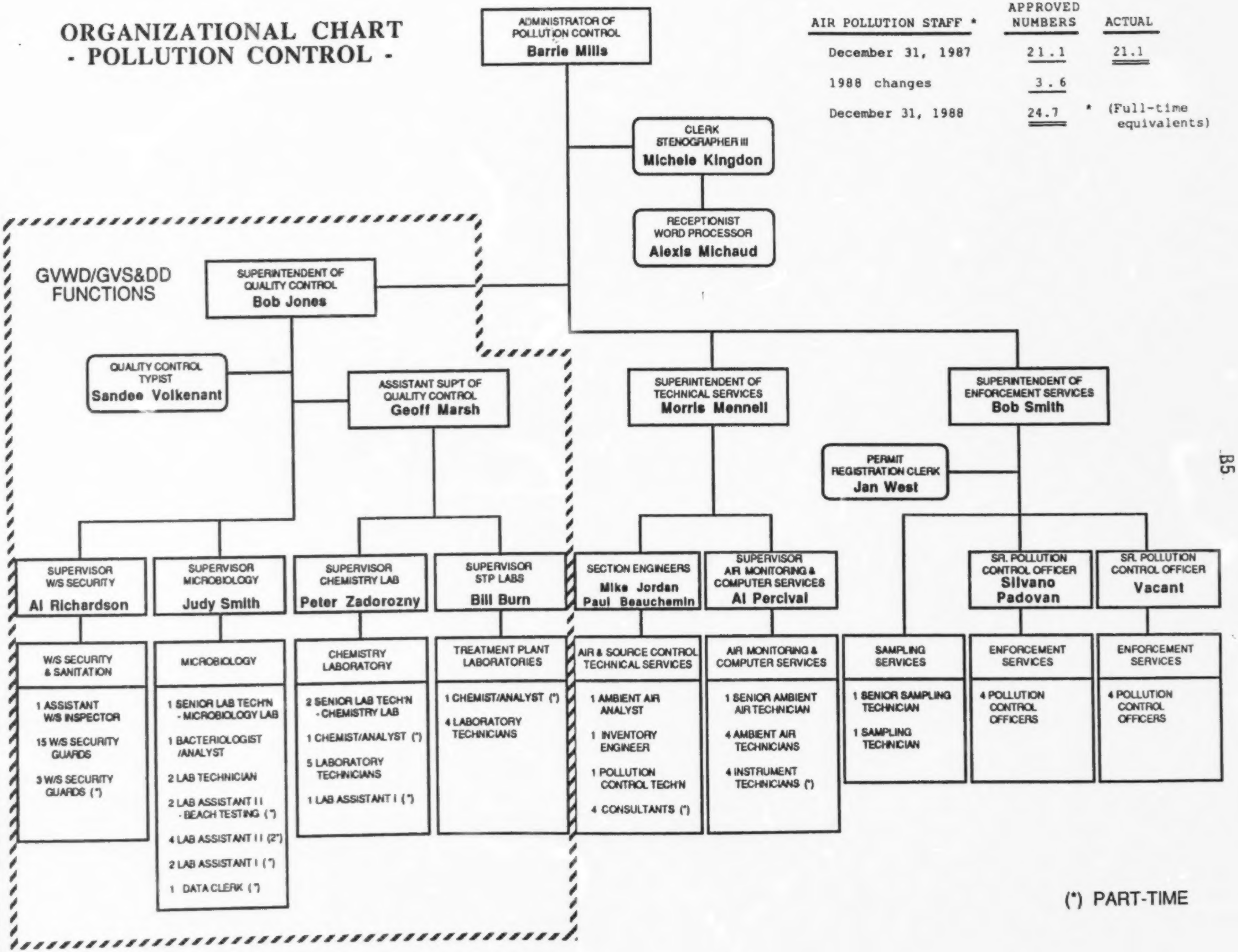
New ambient air monitoring stations in Burnaby, Richmond and Delta were commissioned on schedule in June, 1987 as a component of the ambient air monitoring program for the new refuse incineration plant. Another component of this monitoring program, the mobile air monitoring unit (MAMU) was completed and began operations in October 1987. The GVRD air monitoring network upgrade project progressed in 1987 with the addition of three Total Reduced Sulphur analyzers and the installation of a new ozone monitoring station in Port Coquitlam. Several special monitoring programs continued during the year, including the UBC study of air quality related health effects and the monitoring of odours from crude oil transport and storage.

In June of 1987 four new particulate samplers were commissioned as a part of the GVRD refuse incinerator monitoring program. Another two particulate monitoring stations will be added in early 1988 in the vicinity of the Coquitlam resource recovery plant.

ORGANIZATIONAL CHART
- POLLUTION CONTROL -

AIR POLLUTION STAFF *	APPROVED NUMBERS	ACTUAL
December 31, 1987	21.1	21.1
1988 changes	3.6	
December 31, 1988	24.7	

* (Full-time equivalents)


ADMINISTRATOR OF POLLUTION CONTROL
Barrie Mills
CLERK STENOGRAPHER III
Michele Kingdon
RECEPTIONIST WORD PROCESSOR
Alexis Michaud
GVWD/GVS&DD FUNCTIONS
SUPERINTENDENT OF QUALITY CONTROL
Bob Jones
QUALITY CONTROL TYPIST
Sandee Volkenant
ASSISTANT SUPT OF QUALITY CONTROL
Geoff Marsh
SUPERINTENDENT OF TECHNICAL SERVICES
Morris Mennell
SUPERINTENDENT OF ENFORCEMENT SERVICES
Bob Smith
PERMIT REGISTRATION CLERK
Jan West
SUPERVISOR W/S SECURITY
Al Richardson
SUPERVISOR MICROBIOLOGY
Judy Smith
SUPERVISOR CHEMISTRY LAB
Peter Zadorozny
SUPERVISOR STP LABS
Bill Burn
SECTION ENGINEERS
Mike Jordan
Paul Beauchemin
SUPERVISOR AIR MONITORING & COMPUTER SERVICES
Al Percival
SR. POLLUTION CONTROL OFFICER
Silvano Padovan
SR. POLLUTION CONTROL OFFICER
Vacant
W/S SECURITY & SANITATION
1 ASSISTANT W/S INSPECTOR
15 W/S SECURITY GUARDS
3 W/S SECURITY GUARDS (*)
MICROBIOLOGY
1 SENIOR LAB TECH'N - MICROBIOLOGY LAB
1 BACTERIOLOGIST /ANALYST
2 LAB TECHNICIAN
2 LAB ASSISTANT I I - BEACH TESTING (*)
4 LAB ASSISTANT I I (2*)
2 LAB ASSISTANT I (*)
1 DATA CLERK (*)
CHEMISTRY LABORATORY
2 SENIOR LAB TECH'N - CHEMISTRY LAB
1 CHEMIST/ANALYST (*)
5 LABORATORY TECHNICIANS
1 LAB ASSISTANT I (*)
TREATMENT PLANT LABORATORIES
1 CHEMIST/ANALYST (*)
4 LABORATORY TECHNICIANS
AIR & SOURCE CONTROL TECHNICAL SERVICES
1 AMBIENT AIR ANALYST
1 INVENTORY ENGINEER
1 POLLUTION CONTROL TECH'N
4 CONSULTANTS (*)
AIR MONITORING & COMPUTER SERVICES
1 SENIOR AMBIENT AIR TECHNICIAN
4 AMBIENT AIR TECHNICIANS
4 INSTRUMENT TECHNICIANS (*)
SAMPLING SERVICES
1 SENIOR SAMPLING TECHNICIAN
1 SAMPLING TECHNICIAN
ENFORCEMENT SERVICES
4 POLLUTION CONTROL OFFICERS
ENFORCEMENT SERVICES
4 POLLUTION CONTROL OFFICERS
(*) PART-TIME

GREATER VANCOUVER REGIONAL DISTRICT

Air Pollution Control
Revenue & Expenditure Budget
Year Ending December 31, 1988

	Sch	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget	% Change over 1987 Final Budget
Revenue						
Members' tax requisitions		$1,159,819	$1,159,819	$1,058,200	$ 996,632	- 14.1
Provincial Government grant		225,000	225,000	300,000	475,000	+111.1
Other Revenue - Ambient Air Gaseous Monitoring		448,200	464,272	544,300	544,300	+ 21.4
Surplus from previous year		12,781	12,783	70,400	89,968	
Total Revenue		$1,845,800	$1,861,874	$1,972,900	$2,105,900	+ 14.1
Expenditure						
By-law Administration	B10	$ 134,300	$ 127,000	$ 141,600	$ 141,600	+ 5.4
Waste Management Act Administration	B12	692,500	639,996	757,300	877,300	+ 26.7
Ambient Air Gaseous Monitoring	B14	709,400	699,502	816,700	829,700	+ 17.0
Particulate Monitoring	B15	125,800	121,649	141,300	141,300	+ 12.3
		1,662,000	1,588,147	1,856,900	1,989,900	+ 19.7
Fiscal Services Ambient Air Gaseous Monitoring	B14					
- Debt Charges		48,200	48,159	48,200	48,200	
- Contribution to Capital		135,600	135,600	67,800	67,800	- 50.0
		183,800	183,759	116,000	116,000	- 36.9
Total Expenditure		$1,845,800	$1,771,906	$1,972,900	$2,105,900	+ 14.1
Surplus carried to following year			$ 89,968			

B7

GREATER VANCOUVER REGIONAL DISTRICT

Air Pollution Control
1988 Budget
By Object of Expenditure

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$ 919,400	$ 907,545	$1,068,300	$1,068,300
Board & rented vehicles	54,600	55,038	59,600	59,600
Mileage	23,100	17,432	23,300	23,300
Travel	4,900	4,318	5,900	5,900
Consultants	111,500	73,453	111,500	231,500
Telephones	29,000	23,786	29,000	29,000
Provision for equipment replacement	91,900	91,033	87,700	100,700
Repairs & maintenance	29,900	27,413	31,400	31,400
Materials & supplies	68,300	75,994	83,100	83,100
Other services	5,800	5,148	7,100	7,100
Electricity	5,000	7,025	8,300	8,300
Legal	15,000	14,479	15,000	15,000
Advertising	3,300	7,468	6,600	6,600
Computer operations allocated	1,800	1,800	1,800	1,800
Beach Yard control allocated	3,600	3,596	3,600	3,600
Indirect departmental costs allocated	229,100	227,394	274,000	274,000
Office building rental allocated	65,800	45,225	40,700	40,700
	1,662,000	1,588,147	1,856,900	1,989,900
Fiscal Services				
Debt charges	48,200	48,159	48,200	48,200
Contribution to capital	135,600	135,600	67,800	67,800
	183,800	183,759	116,000	116,000
Total Expenditure	$1,845,800	$1,771,906	$1,972,900	$2,105,900

GREATER VANCOUVER REGIONAL DISTRICT

Air Pollution Control
1988 Budget
Pollution Control Administration

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$104,900	$105,931	$133,700	$
Board vehicles & mileage	7,000	4,450	4,000	
Central administrative services allocated	4,700	4,700	4,800	
Corporate Services Allocated	800		800	
Travel	2,500	2,156	3,500	
Insurance	500	36	100	
Office Expenses				
Rent	55,200	44,760	40,500	
Postage	4,500	4,559	4,500	
Telephones	5,300	3,409	6,900	
Duplicating	5,000	4,936	6,000	
Materials & supplies	10,500	13,247	11,300	
Computer operating costs	17,700	18,200	21,000	
Provision for equipment replacement	10,600	9,453	12,800	
Other services	1,600	3,715	7,000	
	230,800	219,552	256,900	256,900
Less allocated to:				
Air Pollution Control	(96,200)	(90,510)	(105,300)	(105,300)
GVS&DD/GVWD Operations	(134,600)	(129,042)	(151,600)	(151,600)
Total Expenditure	$ NIL	$ NIL	$ NIL	$ NIL

GREATER VANCOUVER REGIONAL DISTRICT

Air Pollution Control
1988 Budget
Indirect Departmental Costs

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Mileage	$ 1,700	$ 1,572	$ 2,000	$ 2,000
Central administrative services allocated	50,800	46,100	52,300	60,725
Pollution Control administrative services allocated	96,200	90,510	105,300	105,300
Corporate Services allocated	6,500	6,863	6,500	6,500
Radio costs allocated	10,100	11,040	12,700	12,700
Office Building rental allocated	75,600	85,739	77,100	77,100
Telephones	10,200	12,348	12,900	12,900
	251,100	254,172	268,800	277,225
Less allocated as an override on salaries	(251,100)	(254,172)	(268,800)	(277,225)
Total Expenditure	$ NIL	$ NIL	$ NIL	$ NIL

AIR POLLUTION CONTROL

By-law Administration Program

Purpose

To administer and enforce the requirements of the Regional District Air Pollution Control By-law No. 92.

Activities or Level of Service

To date, under this By-law, nearly 200 unapproved incinerators have been closed and over 350 approved units repaired or modified to reduce their emissions. However, the number of complaints regarding these sources remains at a high level. The proposed Bylaw amendments will require that existing incinerators be either substantially upgraded to meet new, more stringent criteria or be shut down. Implementation of this revised Bylaw is scheduled for early 1988. In the interim, staff is continuing to enforce existing By-law requirements.

The following activities are carried out under this program.

- Issue permits for the installation and operation of new equipment and the modification of existing equipment.
- Inspect installations to ensure that all equipment is approved and properly maintained and operated.
- Monitor emission levels and require actions to be taken on excessive readings.
- Provide a 24-hour response to citizen complaints of excessive emissions.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$101,600	$ 97,069	$109,500	
Mileage	6,900	4,996	6,900	
Other services			200	
Indirect departmental costs	24,500	23,639	23,700	
Beach yard control room allocated	1,300	1,296	1,300	
Total Expenditure	$134,300	$127,000	$141,600	$141,600

AIR POLLUTION CONTROL

Waste Management Act Administration Program

Purpose

To administer and enforce the air pollution requirements of the Waste Management Act within District boundaries. The Province supports this program through an annual grant.

Activities or Level of Service

To date, over 385 permits have been issued to control about 3,000 individual emission sources. Permit compliance is regularly reviewed through site inspections and testing of selected sources. About 500 such tests are performed annually on nearly 150 individual sources. In addition, over 1,000 inspections of emission sources are conducted annually by the District's eight Pollution Control Officers.

The development of a computerized inventory of Regional emissions was completed in 1987 under this program. This work is part of the Regional ozone control strategy which is being developed in association with senior governments. Substantial work will occur in 1988, towards the development of a regional Air Management Plan.

The following activities are carried out under this program:

- Review existing and proposed installations for possible Permitting of any related sources.
- Issue Permits and/or Approvals for emissions from new equipment and the modification or upgrading of existing equipment.
- Inspect installations to verify compliance with Permit and Approval requirements.
- Maintain an active testing program of Permitted sources.
- Act on excessive readings to expedite proper emission control.
- Provide a 24-hour response to citizen complaints of excessive emissions.
- Assist municipal staff in responding to specific inquiries regarding air pollution.
- Participate in public and municipal meetings to discuss air pollution programs.
- Participate in national and provincial programs to establish emission guidelines for selected source categories.

Air Pollution Control

Waste Management Act

Administration Program

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$428,400	$408,739	$477,500	$477,500
Board vehicles	10,200	8,588	10,200	10,200
Mileage	15,000	11,833	15,000	15,000
Consultants	85,000	54,108	85,000	205,000
Other services	2,900	3,172	3,200	3,200
Materials and supplies	7,500	7,773	7,800	7,800
Travel	3,000	2,978	4,000	4,000
Legal	15,000	14,479	15,000	15,000
Advertising	3,000	7,468	6,300	6,300
Provision for Equip. Replace.	9,700	10,876	18,500	18,500
Repairs & maintenance	600	720	900	900
Beach yard control room allocated	2,300	2,300	2,300	2,300
Indirect departmental costs	109,900	106,962	111,600	111,600
Total Expenditure	$692,500	$639,996	$757,300	$877,300

AIR POLLUTION CONTROL

Ambient Air Gaseous Monitoring

Purpose

To maintain a regional monitoring network for the measurement and documentation of gaseous pollutants and selected meteorological parameters in the ambient air. Over sixty percent of the cost of this program is contributed by industry and other government sources.

Activities or Level of Service

This program supports the operation of the Lower Mainland air quality monitoring network of 23 automated monitoring stations deployed throughout the GVRD and eastward to Chilliwack. It is a cooperative program supported by industry and the Federal and Provincial governments.

Real time data is continuously telemetered to a head office computer for analysis, and the results are summarized in quarterly and yearly reports. Results from some stations are also reported as part of the National Air Pollution Surveillance Network and the World Health Organization.

The following activities are performed:

- Maintain and calibrate all related sampling equipment
- Operate a computer and necessary programs for recording and analyzing all monitoring data.
- Prepare detailed analysis reports of all contaminant data and transmit the results to municipal authorities and the general public.
- Distribute data to the federal and provincial governments for their reporting purposes.
- Operate an air quality index system with daily recorded reports to the news media and the public.
- Assist municipal staff and health authorities in responding to specific inquiries regarding air pollution levels.
- Participate in national and provincial programs to establish objectives for selected contaminants.
- Provide data telemetry and computer services for the GVWD rainfall monitoring program.

Air Pollution Control

Ambient Air Gaseous Monitoring

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$316,000	$333,481	$402,700	$402,700
Board and rented vehicles & equipment	34,600	36,284	39,600	39,600
Mileage	600	603	800	800
Travel	1,900	1,340	1,900	1,900
Consultants	26,500	19,345	26,500	26,500
Other services	2,600	1,611	3,100	3,100
Materials & supplies	53,500	59,644	65,500	65,500
Telephones	29,000	23,786	29,000	29,000
Insurance	400	365	600	600
Purchased repairs & maint.	29,300	26,693	30,500	30,500
Electricity	5,000	7,025	8,300	8,300
Provision for Equipment replacement	71,000	68,071	58,000	71,000
Computer costs	1,800	1,800	1,800	1,800
Indirect departmental costs	68,900	73,269	105,200	105,200
Office building rental allocated	65,800	45,225	40,700	40,700
Amortization of deferred charges	2,500	960	2,500	2,500
	709,400	699,502	816,700	829,700
Fiscal Services				
Debt charges	48,200	48,159	48,200	48,200
Contribution to capital	135,600	135,600	67,800	67,800
	183,800	183,759	116,000	116,000
Total Expenditure	$893,200	$883,261	$932,700	$945,700

AIR POLLUTION CONTROL

Ambient Air Particulate Monitoring

Purpose

To maintain a regional monitoring network for the measurement of dustfall, suspended particulate (total, lead and other metals) and coefficient of haze in the ambient air.

Activities or Level of Service

This program originated with the provincial government and the City of Vancouver and was assumed, with modification, by the Regional District. A total of 67 particulate samplers are now operated at 41 monitoring stations located throughout the Regional District.

The test results are published quarterly and summarized each year in an annual report. Results from selected stations are also reported as part of the National Air Pollution Surveillance Network.

The following activities are performed:

- Collect and analyze samples from all stations.
- Maintain and calibrate all related sampling equipment.
- Prepare analysis reports of all monitoring data and transmit the results to municipal authorities and the general public.
- Distribute specific data to the federal government for their reporting purposes.
- Assist municipal and health authorities in selected projects to assess local air quality.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$ 73,400	$ 68,256	$ 78,600	$
Board vehicles	10,400	10,166	10,400	
Materials & supplies	7,500	8,577	10,100	
Provision for equipment replacement	8,700	11,126	8,700	
Indirect departmental costs	25,800	23,524	33,500	
TOTAL EXPENDITURE	$125,800	$121,649	$141,300	$141,300

"C"

GREATER VANCOUVER REGIONAL DISTRICT

HOSPITAL PLANNING
SUMMARY OF INCREASE IN 1988
EXPENDITURES OVER 1987 FINAL BUDGET

1987 Final Budget		$ 308,700
Increased level of service		
- Consultants	$ 14,700	
- Staff increase	87,650	
		102,350
Change in base budget		
Central administrative services allocated	20,116	
Other	1,200	
		21,316
Inflation		8,174
1988 Final Budget		$ 440,540

HOSPITAL PLANNING

Long-term and Ongoing Role

The long-term role of the Hospital Planning Department is outlined in Section 20 of the Hospital District Act and Letters Patent dated June 29, 1967. In summary, the Department's long range role is to promote planning to establish the most appropriate health care facilities in locations required by the residents of the Greater Vancouver Regional District.

This role is implemented by developing long-range planning objectives with the Ministry of Health, allocating resources to hospital planning and construction projects, and promoting the appropriate delivery of health care consistent with the changes and improvements in the health care delivery system.

1988 Short-Term Objectives

1. Continue program to provide additional extended care facilities.
2. Establish a more equitable formula for sharing capital financing for Provincial referral institutions.

New for 1988

3. Develop a dedicated health care planning function.
4. Examine the centralization of parking card data for the GVRHD Parking Operations.

Review of Prior Year's Objectives

1. Continue to provide Extended Care Facilities

   This is a long-range plan, as outlined in the GVRHD Geriatric Care Planning Model. As a result of the growing aged population, we are continuing to recommend the allocation of beds to various locations to meet the needs of the residents of the GVRD.

   Planning has commenced for the 225-bed ECU in South Vancouver and we are anticipating additional planning funds for ECU beds in Burnaby and Surrey.

2. Continue to work toward developing a Long-Range Health Care and Geriatric Care Plan

   The first phase of this plan is complete with the development of the Regional Geriatric Care Planning Model. This report forms the basis for the provision of extended care beds in this Region.

   The development of a Long-Range Health Plan will require additional resources. We are working with the Ministry to share their data base on hospital utilization as the first phase of the development of the GVRHD developing a planning agency.

HOSPITAL PLANNING

Review of Prior Year's Objectives (continued)

3. Establish a more equitable formula for sharing Capital Financing for Provincial Referral Institutions

During a meeting with the Minister of Health, the GVRHD questioned the current funding formulae which require this Region to finance our full share of capital costs for referral hospitals. A concentration of hospital beds in the GVRHD was seen as an advantage by Ministry staff for GVRHD residents. Discussions will continue.

4. Evaluate and take steps to resolve the Equipment Funding Problem

The equipment funding problem was evaluated through questionnaire and it was determined that an additional $11 million was needed, per year, by all GVRHD hospitals to maintain an adequate equipment inventory. The Ministry has also examined this problem. However, there appears to be insufficient funding available for equipment.

The GVRHD is continuing to work with the Ministry and Hospital Administrators' Council to address this problem.

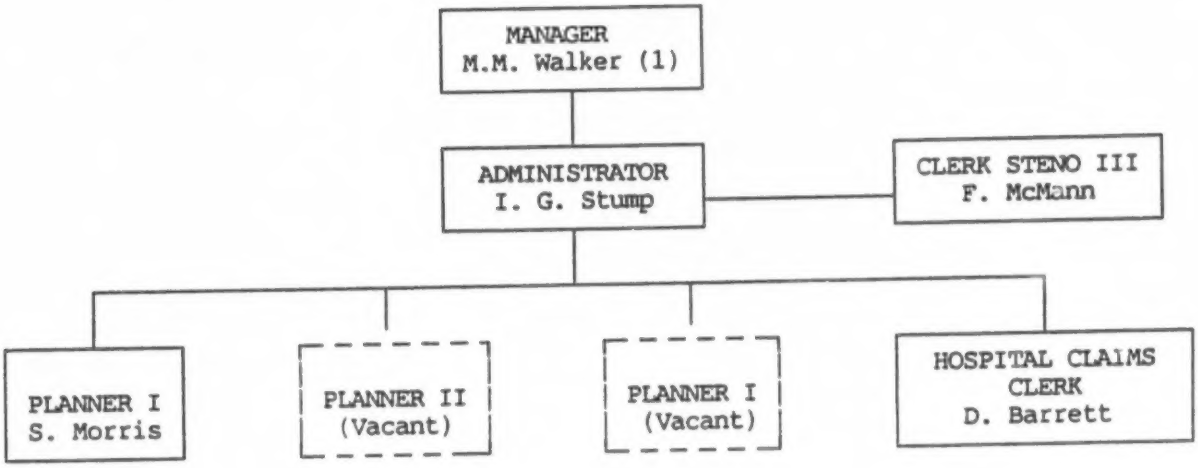
5. Automate the GVRHD Parking Lots with computerized Parking Cards

All lots, with the exception of St. Paul's Hospital and Eagle Ridge Hospital, utilize the computerized parking control system. This has allowed the GVRHD to better control the use of these cards. As a result of the implementation of this system, revenue has increased.

C3

HOSPITAL PLANNING DEPARTMENT

Departmental Organization Chart


MANAGER
M.M. Walker (1)
ADMINISTRATOR
I. G. Stump
CLERK STENO III
F. McMann
PLANNER I
S. Morris
PLANNER II
(Vacant)
PLANNER I
(Vacant)
HOSPITAL CLAIMS
CLERK
D. Barrett

	APPROVED	ACTUAL
December 31, 1987	4.25	4.25
1988 changes budgeted	+2.00	
December 31, 1988	6.25	

(1) Charged to Hospital Planning (25%) and Housing Corporation (75%).

GREATER VANCOUVER REGIONAL DISTRICT

Hospital Planning
Revenue and Expenditure Budget
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget	% Change over 1987 Final Budget
Revenue					
Members' tax requisitions	$284,507	$284,507	$437,258	$431,210	+51.6
Surplus from previous year	24,193	24,193	2,666	9,330	-61.4
	$308,700	$308,700	$439,924	$440,540	+42.7
Expenditure					
Planning & administration	$308,700	$299,370	$439,924	$440,540	+42.7
Surplus carried to following year		$ 9,330			

GREATER VANCOUVER REGIONAL DISTRICT

Hospital Planning
1988 Budget
By Object of Expenditure

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Hospital District administration allocated	$ 48,900	$ 48,950	$ 64,600	$ 64,600
Salaries & employee benefits	184,600	179,707	256,380	256,380
Board vehicle	1,500	1,040	1,500	1,500
Mileage	3,000	2,694	4,680	4,680
Travel	4,000	2,676	4,992	4,992
Other services	1,600	2,173	5,138	5,138
Consultants	300	74	15,000	15,000
Office expenses				
Rent	22,600	22,884	36,200	36,200
Postage	1,300	1,665	1,716	1,716
Telephone	3,500	3,114	4,740	4,740
Supplies	1,500	2,358	2,600	2,600
Printing & duplicating	1,400	1,669	2,288	2,288
Equipment replacement & maintenance	4,900	3,092	8,653	8,653
Indirect department costs allocated	12,500	10,669	12,089	12,089
Central administrative services allocated	7,700	7,200	11,500	12,116
Computer operating costs allocated	2,700	2,600	2,514	2,514
Corporate services allocated	6,800	6,863	5,434	5,434
	308,800	299,428	440,024	440,640
Recoveries	(100)	(58)	(100)	(100)
Total Expenditure	$308,700	$299,370	$439,924	$440,540

"D"

GREATER VANCOUVER REGIONAL DISTRICT

LABOUR RELATIONS
SUMMARY OF INCREASE IN 1988
EXPENDITURES OVER 1987 FINAL BUDGET

1987 Final Budget		$1,761,800
Less 1987 extraordinary items		
Actuarial consultant	(10,000)	
Compensation Study	(20,000)	
		(30,000)
1988 Base Budget		1,731,800
1988 extraordinary costs		
Consultants - benefit plans		20,000
Changes in level of service		
Collective Bargaining - Consultant	10,000	
- Advertising	25,000	
- Other services	3,000	
- Travel	3,000	
	41,000	
Staff changes/reorganization	(154,600)	
Decrease in legal costs	(15,000)	
Recoveries from Burnaby - Job Evaluation Program	(3,500)	
Reduction in membership fees	(31,000)	
		(163,100)
Changes in base budget		
Central administrative services allocated	(1,797)	
Rent	(20,300)	
Provision for equipment replacement	(10,900)	
Other	(4,000)	
		(36,997)
Inflation		47,227
1988 Final Budget		$1,598,930

LABOUR RELATIONS

Long-Term and Ongoing Role

The Labour Relations Department of the GVRD has been established to provide professional labour relations services for District municipalities, related Associations, Boards and Commissions and the District itself.

The Department has three primary purposes:

- to conduct collective bargaining on behalf of constituent employers within the policy guidelines established by the Labour Relations Bureau and to provide advice and guidance regarding the administration of collective agreements and any other labour relations matters on request.
- to administer classification and pay plans covering bargaining unit positions within constituent employer organizations; to analyze other job evaluation systems and implement and maintain, on request, job evaluation/salary administration programs for exempt employees.
- to conduct research and analysis in support of the collective bargaining and compensation functions and in response to specific needs of constituent employers, including the provision of up-to-date information regarding labour relations practices and trends.

OBJECTIVE

To provide timely, effective labour relations, job evaluation and compensation analysis services, including research and analysis support, in order to assist the constituent employers in maintaining employee relations which will enhance the cost-effective delivery of services to the public.

LABOUR RELATIONS

1988 Short Term Objectives

The major short term objectives of the Collective Bargaining Division will include:

- negotiation of collective agreements which expire 1987 December 31;
- production of revised collective agreements;
- preparation and conduct of training programs/information seminars for staff of member jurisdictions.

The Research and Analysis Division will be engaged in:

- continuing refinement of the Labour Relations Information Report system;
- coordinating and improving the Department's regular communication vehicle, Management Update;
- providing research support for collective agreement negotiations.

The objectives of the Compensation Services Division will include:

- development and implementation of procedures to enhance the accuracy of classification systems and improve turnaround time for completion of assignments;
- preparation and conduct of further training programs/information seminars;
- work with representatives of member jurisdictions and collective bargaining staff to develop Employer positions on job evaluation issues raised in collective bargaining.

LABOUR RELATIONS

Review of Prior Year's Objectives

During the year, the Collective Bargaining Division staff completed negotiations of all 1986-87 collective agreements. All collective agreements were redrafted to reflect negotiated changes. The Division undertook an extensive process of preparation for 1988 negotiations which included soliciting Employer proposals from all jurisdictions; analysis and review of draft proposals; approval of proposals by the Labour Relations Bureau; and analysis of anticipated Union proposals. Negotiations commenced in October 1987.

The Research and Analysis Division continued to refine the Labour Relations Information Report and provided comprehensive feedback to participating jurisdictions concerning all major occupational groups. The Division also provided support to collective bargaining; reported to and obtained approval from the Compensation Stabilization Commissioner for all negotiated settlements; coordinated publication of the Management Update; produced the annual Trades and Labour Survey; and provided extensive technical support regarding benefit plans issues and exempt employees' compensation.

LABOUR RELATIONS

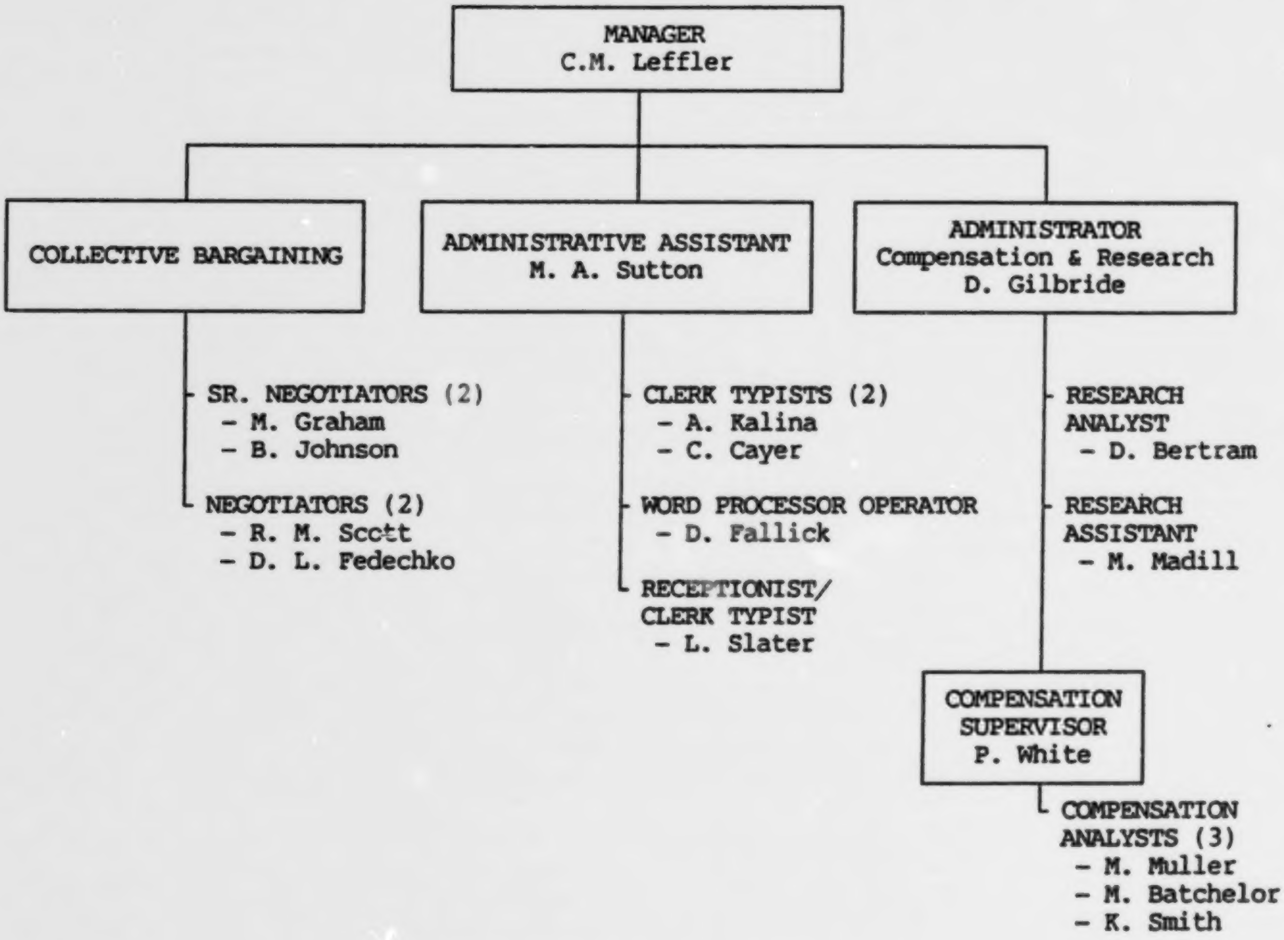
Review of Prior Year's Objectives (cont'd.)

The Compensation Services Division continued to process a high volume of classification reviews. During 1987 there were 333 requests for reviews; the Division completed 235 reviews and participated in eleven arbitration hearings. The Division also designed and ran a number of information seminars for staff of member jurisdictions, on matters related to the operation of the Regional job classification system.

The Department also conducted a two-day seminar for Labour Relations Bureau members in February 1987 and a 1-1/2 day seminar for members of the Labour Relations Administrative Committee and Municipal Personnel Directors' Committee in September 1987.

LABOUR RELATIONS DEPARTMENT

Departmental Organization Chart


MANAGER
C.M. Leffler
COLLECTIVE BARGAINING
ADMINISTRATIVE ASSISTANT
M. A. Sutton
ADMINISTRATOR
Compensation & Research
D. Gilbride
SR. NEGOTIATORS (2)
- M. Graham
- B. Johnson
NEGOTIATORS (2)
- R. M. Scott
- D. L. Fedechko
CLERK TYPISTS (2)
- A. Kalina
- C. Cayer
WORD PROCESSOR OPERATOR
- D. Fallick
RECEPTIONIST/
CLERK TYPIST
- L. Slater
RESEARCH
ANALYST
- D. Bertram
RESEARCH
ASSISTANT
- M. Madill
COMPENSATION
SUPERVISOR
P. White
COMPENSATION
ANALYSTS (3)
- M. Muller
- M. Batchelor
- K. Smith

(PERSONNEL SERVICES SHOWN SEPARATELY)

	APPROVED	ACTUAL
December 31, 1987	17	17
1988 changes budgeted	0	
December 31, 1988	17	

GREATER VANCOUVER REGIONAL DISTRICT

Labour Relations
Revenue & Expenditure Budget
Year Ending December 31, 1988

	Sch	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget	% Change over 1987 Final Budget
Revenue						
Members' tax requisitions		$1,506,281	$1,506,281	$1,563,122	$1,517,531	+ 0.7
GVRD contributions		18,300	18,300	18,300	18,300	
Surplus from previous year		237,219	237,219	31,905	63,099	-73.4
Total Revenue		$1,761,800	$1,761,800	$1,613,327	$1,598,930	- 9.2
Expenditure						
Collective Bargaining	D8	$ 395,900	$ 451,946	$ 329,768	$ 329,768	-16.7
Research & Analysis	D9	134,800	125,060	120,287	120,287	-10.8
Compensation Services	D10	558,300	528,455	573,595	583,595	+ 4.5
Administration	D11	342,500	281,187	305,765	277,765	-18.9
Indirect Departmental Costs	D12	330,300	312,053	283,912	287,515	-13.0
Total Expenditure		$1,761,800	$1,698,701	$1,613,327	$1,598,930	- 9.2
Surplus carried to following year			$ 63,099			

GREATER VANCOUVER REGIONAL DISTRICT

Labour Relations
1988 Budget
By Object of Expenditure

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$ 928,100	$ 932,154	$ 810,178	$ 810,178
Board & rented vehicles	4,300	4,184	4,300	4,300
Mileage	17,300	16,618	18,928	18,928
Accommodation	3,000	314	3,000	3,000
Advertising	5,000	1,228	30,000	30,000
Membership, conference & tuition fees	60,000	49,573	56,000	25,000
Consultants	65,000	62,508	55,000	65,000
Legal	50,000	25,537	35,000	35,000
Job evaluation services City of Vancouver	284,300	285,012	292,829	292,829
Travel	6,000	8,207	6,500	9,500
Central administrative services allocated	42,700	43,000	37,350	40,953
Corporate services allocated	4,500	6,400	4,500	4,500
Office expenses				
Materials & supplies	16,000	14,268	18,160	18,160
Computer services allocated	21,800	23,800	24,460	24,460
Office rent	172,000	175,547	151,722	151,722
Postage	4,000	2,857	5,200	5,200
Telephone	20,100	19,937	14,960	14,960
Equipment replacement and maintenance	37,200	18,261	26,260	26,260
Printing & duplicating	12,000	7,994	10,000	10,000
Other services	8,500	8,770	12,480	12,480
	1,761,800	1,706,169	1,616,827	1,602,430
Recoveries		(7,468)	(3,500)	(3,500)
Total Expenditure	$1,761,800	$1,698,701	$1,613,327	$1,598,930

LABOUR RELATIONS

Collective Bargaining Program

Purpose

To conduct collective bargaining on behalf of constituent employers and provide labour relations advice and counsel in the most professional, timely and economical manner.

Activities or Level of Service

There are more than 60 collective agreements to be negotiated at frequent intervals. Because several of them have been negotiated in a joint manner recently, these agreements normally cover more than 40 separate sets of negotiations. Activities of the Division include:

1. The actual conduct of the negotiations.
2. Preparation of memoranda.
3. Preparation of detailed research materials supplementary to those prepared by the Department's Research and Analysis Division.
4. Preparation of employer proposals and rationale.
5. Liaison with municipal officials which is provided by means of regular written reports, and which is supplemented as often as possible by briefing sessions.
6. Drafting of agreements which is carried on in conjunction with municipal officials.
7. Preparation of Occupational Group Collective Bargaining frameworks.
8. Special research, e.g. Equal Pay/Contracting Out.
9. Preparation of employer submissions for interest arbitration proceedings.
10. Preparation for, and participation in employer submissions for grievance arbitration and Labour Relations Board proceedings.
11. Analysis of member jurisdictions' arbitration awards and provision of advice to members regarding modification of practices and procedures.
12. Analysis of current management systems such as sick leave and absenteeism, occupational health and safety, and provision of advice and recommendations to individual members upon their request.
13. Monitoring the new agreements which will be carried out in conjunction with municipal officials.
14. The staffing of joint employer union committees.

LABOUR RELATIONS

Collective Bargaining Program (cont'd)

Alternatives

None applicable.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$378,900	$439,395	$307,712	
Mileage	7,500	7,669	8,736	
Travel	1,500	1,339	2,000	
Other services	5,000	2,950	8,320	
Legal		343		
Negotiations & other accommodation	3,000	250	3,000	
Total Expenditure	$395,900	$451,946	$329,768	$329,768

LABOUR RELATIONS

Research & Analysis Program

Purpose

To conduct research and analysis to provide the operating groups of the Department and constituent employers with updated information on trends in compensation and labour relations and other employee relations areas of interest and concern. The Division also analyzes issues and trends to provide the basis for recommended policy decisions either within the Department or within constituent employers.

Activities or Level of Service

1. Collection and analysis of cost data, benefit usage patterns and other pertinent data, from member municipalities for collective bargaining purposes.
2. Gathering of external cost data and wage and benefit levels in order to permit comparative analysis between the members and the rest of the community.
3. Review of pertinent literature in order to permit identification of current and anticipated problem issues and subsequent analysis in order to provide a basis for policy determination by the Bureau Directors.
4. Liaison with the Business Council in order to keep abreast of current developments and trends affecting other major employers.
5. Liaison with the Public Employers of B.C. in order to contribute to the development of external compensation data.
6. Liaison with other public employers within B.C. and with officials of other major Canadian cities which may influence the members by their actions.

Alternatives

None applicable.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$131,800	$123,893	$117,227	
Mileage	1,000	1,112	1,040	
Travel	1,500		1,500	
Other services	500	55	520	
Total Expenditure	$134,800	$125,060	$120,287	$120,287

LABOUR RELATIONS

Compensation Services Program

Purpose

To administer the Regional classification plan equitably by allocating positions to and determining pay values for bargaining unit classes within participating organizations. The Division processes requests for reclassification, re-valuation and for the classification of new positions taking into consideration internal and external equity within Occupational Groups. The Division also analyzes other job evaluation systems and implements and maintains, as requested, job evaluation and salary administration programs for exempt employees.

Activities or Level of Service

1. Upon referral from individual personnel directors, department staff interview employees, supervisors and department heads, analyze the results and prepare recommendations as to classification and pay which take into account internal equity within the particular municipality and external harmony in consideration of the principle that an equal level of work within an occupational grouping should command an equal pay level throughout the region.

2. Represent the municipalities in negotiations and arbitrations with unions with respect to disputed employer decisions.

3. Upon the request of individual municipalities, develop, install and administer Executive and Exempt staff plans and performance appraisal systems including developing and recommending Executive and Exempt salary policy.

4. Undertake special projects related to alternate job evaluation systems, pay equity, etc.

Alternatives

None applicable.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$235,000	$216,507	$246,406	$246,406
Mileage	8,500	7,255	8,840	8,840
Consultants	30,000	18,787	25,000	35,000
Travel		509		
Other services	500	385	520	520
Job Evaluation Services City of Vancouver	284,300	285,012	292,829	292,829
Total Expenditure	$558,300	$528,455	$573,595	$583,595

LABOUR RELATIONS

Administration Program

Purpose

To plan and control the three Programs, i.e. Collective Bargaining, Compensation Services and Research & Analysis, and to provide basic administrative support services to the entire Department.

Activities or Level of Service

1. Establishment of goals and objectives, independently and through consultation with the Regional Manager, LRAC and LRB.
2. The identification of Department priorities.
3. The planning and control of departmental activities.
4. The implementation of organization and management systems to facilitate work flow.
5. The preparation of budgets and the accounting of expenditures.
6. The co-ordination of review and control procedures to compare results to plan.
7. Liaison with member municipalities.
8. Liaison with government, union and business officials.
9. The initiation, review and implementation of human resource development programs for Department staff.

Alternatives

None applicable.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$182,400	$152,334	$138,833	$138,833
Board & rented vehicles	4,300	4,184	4,300	4,300
Mileage	300	124	312	312
Travel	3,000	5,639	3,000	6,000
Membership fees	60,000	48,496	56,000	25,000
Advertising	5,000	1,228	30,000	30,000
Legal	50,000	25,194	35,000	35,000
Consultants	35,000	43,721	30,000	30,000
Postage		80	5,200	5,200
Other services	2,500	2,969	3,120	3,120
Materials & supplies		130		
	342,500	284,099	305,765	277,765
Recoveries		(2,912)		
Total Expenditure	$342,500	$281,187	$305,765	$277,765

GREATER VANCOUVER REGIONAL DISTRICT

Labour Relations
1988 Budget
Indirect Departmental Costs

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Rent	$172,000	$175,547	$151,722	$151,722
Postage	4,000	2,777		
Telephone	20,100	19,937	14,960	14,960
Membership, conference & tuition fees		1,077		
Publications		1,313	4,160	4,160
Materials & supplies	16,000	14,137	14,000	14,000
Equipment replacement and maintenance	37,200	18,262	26,260	26,260
Salaries & employee benefits		25		
Accommodation		64		
Travel		720		
Other services		1,098		
Duplicating	12,000	7,994	10,000	10,000
Mileage		458		
Computer services allocated	21,800	23,800	24,460	24,460
Central Administrative Services allocated	42,700	43,000	37,350	40,953
Corporate Services allocated	4,500	6,400	4,500	4,500
	330,300	316,609	287,412	291,015
Recoveries		(4,556)	(3,500)	(3,500)
Total Expenditure	$330,300	$312,053	$283,912	$287,515

"E"

GREATER VANCOUVER REGIONAL DISTRICT

PARKS
SUMMARY OF INCREASE IN 1988 EXPENDITURES OVER 1987 FINAL BUDGET

1987 Final Budget			$5,136,587
Operating Costs			
1988 Base Budget Adjustments			
20th Anniversary Program	$ (80,000)		
1987 Contingency (re Point Grey Regional Park Operation)	(45,200)		
		(125,200)	
Changes in levels of service			
Park Planning & Administration, Recreation Services & Operations		321,300	
New Programs			
Camp Capilano	20,018		
Point Grey Park	85,000		
		105,018	
Changes in base budget			
Central administrative services allocated	19,400		
Radio costs	5,200		
Other	33,836		
		58,436	
Inflation		99,000	
			458,554
Debt Charges			
Decrease in contribution to capital funds		(61,613)	
Decrease in interest expense		(1,705)	
			(63,318)
1988 Final Budget			$5,531,823

REGIONAL PARKS

LONG-TERM AND ONGOING ROLE

The fundamental goal of the Regional Parks function is to acquire, develop, operate and maintain a system of Regional Parks and trails that preserves highly significant natural assets close to Lower Mainland population centres. These parks will provide a wide choice of passive and active day-use outdoor recreation opportunities for the year 2000 population and beyond. A major challenge for the Department as its role evolves from land acquisition into park development, services and maintenance will be to ensure a high level of environmental quality in the sites themselves while developing them to allow a wide range of recreation opportunities. he Regional Parks program must respond to and fit with key factors such as:

- the basic park objectives, policies and guidelines as stated in the Regional Park System Plan and Policies
- changing recreation tastes and needs;
- complementary and overlapping programs of other park and recreation agencies;
- tax, budget and cost pressures and development of revenue services from specific recreation services;
- growing public organization and volunteer capabilities;
- the great variety of development choices at different sites;
- need to improve co-ordination with municipalities and other GVRD departments;
- need to provide safe and secure public recreation areas;
- need to ensure that regional park programs accommodate the needs of upper age groups and disabled people;
- ensuring park development is in harmony with nearby communities;
- acting as a spokesman for outdoor recreation needs and preservation of open space in the region;

REGIONAL PARKS

1987 SHORT-TERM OBJECTIVES

PLANNING AND DEVELOPMENT

Purpose Statement

To carry out planning, policy development and design, to coordinate development, acquisition, management and public contacts for the Regional Park system and its individual parks in keeping with GVRD's mandate to provide for long-term outdoor recreation needs of Lower Mainland residents while preserving key natural and historic features.

KEY RESULTS AREAS, (KRA),GOALS AND OBJECTIVES

KRA: Systems Planning, evaluation of new parks proposals and land acquisition coordination

Goal: To plan and set priorities for development and management of parks and for acquisition of lands within existing and new sites.

Objectives:

System Planning:

1. Complete field staff time allocation analysis, park facility audits and maintenance standards as a major input to completing the Year 2000 Strategic Plan for Committee and Board review and implementation decisions.
2. Within the context of the Year 2000 Plan and the Fraser River Estuary Program bring forward recommendations on Regional District actions in Fraser River parks and Sumas Mountain and other park proposals.
3. Fraser River Estuary Management Program - Complete the recreation activity program chairmanship and program proposal draft.
4. Continue to extend effectiveness of visitor counts and estimates including, if resources can be found, a limited in-depth program of visitor surveys.

Land Acquisition Coordination:

1. Complete transfers of Crown land at Belcarra including submission of proposals for trail corridors on Buntzen Ridge.
2. Pursue Crown land grants and decisions at Point Grey and Lynn Headwaters.
3. Kanaka Creek: continue liaison with municipality on land development, property negotiations and boundary amendments and disposal of surplus property.
4. Pursue disposal of some surplus property at Crippen Regional Park.

1987 SHORT-TERM OBJECTIVES, Continued

5. Complete or obtain small Crown land grants if possible at Capilano River, Crippen, Boundary Bay and Iona Island foreshores.

6. Continue private land acquisitions at Kanaka, Iona and other sites.

KRA: Planning Studies, Biophysical Inventories and Master Planning

Goal: To produce master plans and management strategies based on a sound understanding of parks biophysical resources and recreation potential, taking into account the needs of special groups within the population and maintaining a harmonious fit with adjacent communities.

Objectives:

Master Plans and Biophysical Studies

1. Complete Campbell Valley hydrology analysis and initiate park master plan discussions and analysis.

2. In association with other departments and agencies develop plan for Iona Beach Regional Park for 1989 first stage implementation.

3. With GVWD staff continue detailing Demonstration Forest development and operating plans.

4. Initiate contacts and public input on Point Grey master plan if park established by Province.

5. Pursue biophysical studies for Burnaby lake, particularly on water quality, fish and wildlife and impacts of dredging (if grant support obtained).

Planning Studies

1. Tynehead: provide direction and analysis for Tynehead Zoological Park and/or York Hanover Theme Park concepts, terms and staging.

2. Seek agency commitments to develop terms of reference for program to complete a marine park plan for Belcarra foreshore and water zones.

3. Bowen Island: participate in integrated planning program projects to finalize park boundaries, development priorities and links to other open space.

4. Prepare trail concept through rented farm properties, Aldergrove Lake Regional Park.

REGIONAL PARKS

1987 SHORT-TERM OBJECTIVES, Continued

KRA: Site and Facilities Design and Development

Goal: Consistent with park master plans, to design attractive, practical and safe access and facilities to guide implementation of site plans and development whether by our own staff, by contractors or by community organizations.

Objectives:

Design tasks - associated with capital development program and other projects

1. Complete design work for first stage fire protection, visitor, sanitation, and other improvements for Point Grey Regional Park and implement in summer 1988.
2. Complete first phase development plan and drawings for Snug Cove picnic area facilities and associated trails and other improvements.
3. Prepare site plan and priorities for land acquisition and development of west side access to Capilano River.
4. Complete site plan and implement improvements at Deas Island for combined group camp and picnic facility and relocation of heritage barn to Burr House site.
5. In Seymour Demonstration Forest complete designs for small scale improvements of the Rice Lake shoreline and picnic facilities at Seymour Falls Dam.
6. Complete site plan for fish fence area and Falls Core in Kanaka Creek.
7. Complete design for original Fort Langley historic site cairn and display at Derby Reach Regional Park.
8. Complete site plan and implement Boundary Bay access and beach facilities project.
9. Complete Glencairn Avenue picnic area site plan for implementation when funds available.
10. Complete design and engineering for Woodcroft trail construction, Capilano River.
11. At Derby Reach complete site planning and engineering for implementation by Army Engineers.
12. For Lynn Headwaters complete off street parking, cycle route and trail links connecting the entrance area and Seymour Demonstration Forest, Rice Lake Site.

REGIONAL PARKS

1987 SHORT-TERM OBJECTIVES, Continued

13. Complete design and construct seawall to protect Belcarra picnic area shoreline erosion and prevent unauthorized excavation of the Belcarra midden face.

14. Complete numerous trail improvements, picnic area upgrading, signage and other projects at Aldergrove Lake and Sasamat Lake; Burnaby Lake trails, Wildlife Garden, trails, and Speedway site at Campbell Valley, bridge and handicapped washroom improvements at Capilano, repair of Killarney Lake Dam at Crippen, bank erosion and landscaping for caretaker and entrance areas at Derby Reach, trails and bridges at Lynn Headwaters and Matsqui Trail, repairs to Lodge at Minnekhada and small scale picnic improvements at Tynehead.

Approved and Possible Community Sponsored Projects

1. Finalize equestrian improvements proposed by Campbell Valley Equestrian Society at Campbell Valley Regional Park, trail projects in Lynn Headwaters and Seymour Demonstration Forest, Kanaka Creek and Matsqui and other riding and walking trail improvements with various sponsors.

2. Continue to liaise with a number of other interested groups who wish to develop special use facilities complementary to several Regional Parks.

3. Work with Royal Astronomical Society to establish a permanent observing area at Campbell Valley near the Visitor Centre.

4. Work with B.C. Corrections programs for continued trail and bridge work at Kanaka and define construction standards for such work.

5. Seek Habitat Conservation Fund assistance for rehabilitation and/or conservation of wetlands, ponds, and other wildlife habitat improvements.

6. Complete agreement and plan for construction of rowing facilities at Deas Island by Deas-Delta Rowing Club.

REGIONAL PARKS

1987 SHORT-TERM OBJECTIVES, Continued

KRA: Resource Management and Conservation

Goal: To preserve manage and/or enhance key natural areas and items of historical significance within the parks system.

Objectives:

1. Derby Reach - complete river bank erosion protection at fishing bar and if possible allocate funds to engineering assessment of major erosion action on upstream river front property.
2. Matsqui Trail - pursue program to control vegetation.
3. Campbell Valley - pursue appropriate pilot projects on mowing and other treatments to pursue meadows from encroaching shrub and tree growth.
4. Secure verbal and graphic historical records for the Loucks and Millwood Farms in Aldergrove Lake park, from family members and acquaintances.

KRA: Public Information and Policy Development

Goal: To keep the public informed about our activities, how to use the parks reasonably and safely and to seek public input on questions of policy, to respond to public requests to use Regional Parks land in special ways, and to actively promote awareness and use of the parks system.

Objectives:

1. Crippen - hold open house and other forms of public discussion on Snug Cove site plan for Crippen Park.
2. Seek considerable agency and public involvement in the initial preparation of terms of reference and the master plan study for Iona Island.
3. Seek recreation group and naturalist comment and information for Campbell Valley master plan.
5. Respond to public inquiries and requests for non-profit group use of park land and facilities.

REGIONAL PARKS

RECREATION SERVICES

Purpose

To design, implement and evaluate public programs that enrich public appreciation and respect for Regional Park resources and which capture public and media attention; to facilitate display and self-guiding brochure production in areas of highest public and Regional Park need; to encourage and provide opportunities for public volunteerism and support for Regional Parks; to increase the Park system's profile by promoting its programs, its natural and cultural features and utilization of its facilities.

KRA: Special Events

Goal: To provide imaginative, large scale public events on Regional Parks throughout the region and the year.

Objectives:

1. To provide an event on Deas Island in January to highlight the ending of the festive Christmas season and to encourage off-season use of Regional Parks.
2. To continue creating public awareness of (proposed) Point Grey Regional Park with an event that introduces the public to its special attributes and park potential.
3. To coordinate an event with other Departments at the newly opened Seymour Demonstration Forest to correspond with Forestry Week and to include a seniors and cycling events.
4. To investigate a possible of Fraser River festival which involves river and shoreline users as participants and co-sponsors and which draws attention to the positive recreation, habitat and other functions of the River.
5. To repeat the highly successful Deas Island Teddy Bear Fair, expand the Teddy Bear theme and other elements because of the event's strength in bringing new people to the regional park system.
6. To encourage the public to enjoy the entire length of Capilano Regional Park with the Coho Walk and to understand the life cycle of the salmon.
7. To fine tune the concept and activities of Celebration of Nature at Campbell Valley Regional Park such that this event epitomizes the natural diversity of the Regional Park system.
8. To develop a Hallowe'en event at Tynehead Regional park to extend GVRD's program into the fall and for the first time, into this park.
9. To develop and maintain municipal, community and private sector involvement and support in each special event.

10. To provide special event assistance to participating GVRD Park municipalities and community groups which are conducting major celebrations in their locations.

KRA: Interpretative Program

Goal: To provide engaging interpretive programs, displays and self-guiding brochures to develop the public's awareness and respect for the Park's diverse and special natural and cultural features, and to act as a resource for the parks department.

Objectives:

1. To provide changing cultural and nature programs in a variety of sites including Deas Island, Burnaby Lake, Kanaka Creek, Minnekhada, Boundary Bay, the Seymour Demonstration Forest, Tynehead, Derby Reach, Campbell Valley, Belcarra, Aldergrove Lake, and Crippen Regional Parks.
2. To keep the Burnaby Lake Nature House open seven days a week from April to October and the Inverholme Schoolhouse and Campbell Valley Visitor's Centre open on Sundays from June to September.
3. To provide a strong cultural history and nature interpretation component at Special Events.
4. To help plan and supplement Demonstration Forest interpretative programs.
5. To evaluate interpretative programs, displays and brochures so visitor and agency needs are met in the future.
6. Pending outside funding, to facilitate and act as a resource for interpretive displays at Minnekhada Lodge, the hatchery at Kanaka Creek, the Giant Fir at Capilano River, the midden at Belcarra and the Union Steamship Company Store at Crippen.
7. To assist municipalities and non-profit groups to utilize park natural areas through training and program experience.

KRA: Volunteer and Donors Program

Goal: To invite and support volunteer and donor participation in Regional Parks activities.

Objectives:

1. To provide volunteers and donors for GVRD programs and projects.
2. To train and identify volunteers working in the Regional Parks team.
3. To conduct activities which recognize volunteers and donors for contributions to Regional Parks.

REGIONAL PARKS

PARK AND RENTAL OPERATIONS

Purpose

To manage the operation and maintenance of a system of Regional Parks so as to provide a safe, secure, accessible and convenient environment for the recreation-seeking public of the Region. To conserve, protect and enhance the natural aspects of regional parks and of landbanked property and buildings. To secure a growing source of revenue from rentals, concessions and appropriate user fees and charges.

KRA: Recreation Facility Development, Maintenance and Operation

Goal: To develop park facilities in accordance with approved plans and to maintain and operate regional parks facilities to the standard required.

Objectives:

1. To increase staffing as required to provide provisional 1988 operation at Point Grey, staff for Camp Capilano, if operated by GVRD, and additional seasonal labour to cover the growing fall schedule season visitation.
2. To provide a temporary construction supervisor to direct park construction.
3. To provide up-to-date facility inventories and audit for more effective time management and maintenance budgeting.

KRA: Public Use Monitoring and Security

Goal: To monitor public use and to assist users where necessary so that the parks are viewed as a safe and secure place in which to recreate and the facilities are protected.

Objectives:

1. To continue seasonal staffing at Tynehead and Boundary Bay for safety and security purposes.
2. To improve traffic and trail counts for accuracy in measuring visitation and flow.
3. To provide contract security funding where necessary in order to reduce misuse and rowdyism.
4. To monitor brant hunting at Boundary Bay to minimize use conflicts and risks.
5. To consult with equestrian organizations and implement projects and policies to ensure good trail maintenance and safety.

PARK AND RENTAL OPERATIONS, Continued

KRA: Revenue Generation

Goal: To provide a secure and growing revenue from concessions and from user fees and other charges to mitigate costs of operating regional parks so that visitors and organizations share the benefits and costs of parks.

Objectives:

1. Review existing and potential user fees and charges for provision of special services and facilities for which out of pocket expenses and/or basic costs should be recovered.
2. Assess concessions to ensure rents represent a fair proportion of gross income and represent a proper recovery of GVRD costs.
3. In lieu of practical fee imposition secure user group support or direct provision of services by them.

KRA: Operations Management

Goal: To manage effectively the physical and human resources of Regional Parks Operations and Maintenance Section according to the Provincial legislation and the Regional and Departmental regulations and policies which govern and guide the stewardship of these resources.

Objectives:

1. improve maintenance methods for maximum staff effectiveness
2. to provide for clerical assistance to Area Supervisors to increase time available for supervision and trouble-shooting
3. improve staff performance and efficiency by in-house training and educational seminars
4. move towards computerized operations and maintenance scheduling and monitoring systems

KRA: Rental Operations

Goal: To maintain and expand income from rental buildings and property with proper maintenance, use and protection so that user benefits and rental conditions are compatible with each park and its adjoining neighbourhoods.

Objectives:

1. Complete five year program to upgrade utilities, buildings, electrical and plumbing systems along with removal of uneconomical units to maintain long term income, tenant appeal and appropriate appearance.
2. Establish 1988 rental rates to fairly reflect market conditions and any responsibilities and limitations placed on tenants.
3. Seek constructive and economical ways to maintain landbanked pasture and farm property in Campbell Valley, Aldergrove Lake, Matsqui Trail and Tynehead.

REGIONAL PARKS

PARKS ADMINISTRATION

Purpose Statement

To provide support services (computer, stenographic, clerical and reception) to the Park Committee; overall administration supervision of personnel; departmental management and budgeting; liaison with other departments, municipalities and provincial agencies.

KEY RESULTS AREAS (KRA), GOALS AND OBJECTIVES

KRA: Departmental administration, budgeting, personnel management and service to the public, the Board and Committee and to other Departments and Municipalities

Goal

To direct a complete range of support services including reception, word processing, copying, typing, stenography and related clerical activities for the department.

Objectives

1. Identify departmental priorities on a weekly basis.
2. Implement organization and management systems to facilitate work flow.
3. Provide introduction and training to clerical staff on mini computers (MACs).
4. Monthly accounting of capital and operating expenditures.
5. Preparation of provisional and final budgets.
6. Initiate, review and implement human resource development programs for departmental staff.
7. Liaise with member municipalities, political representatives and provincial agencies.
8. Prepare agendas and reports for monthly Park Committee and Board meetings.
9. Review, develop and implement new or revised office systems and administrative procedures in order to improve efficiency and accommodate departmental requirements and changes in policies and regulations.
10. Plan and control departmental activities and monitor results to plan.

REGIONAL PARKS

REVIEW OF 1987 OBJECTIVES

A. PARK PROJECTS

1. Aldergrove Lake: continued negotiation on gravel extraction proposal with First Church of Christ; completed new park picnic shelter;

2. Belcarra: completed and opened White Pine Beach at Sasamat Lake; completed relocation of Camp Sasamat (ANH); completed job creation project with Belcarra Recreation Association for West Road recreation site and extension of trails to Burns Point; completed draft trail plan for equestrian, hiking, cycling, and motor trials facilities; liaised with Police authorities to manage transfer of public recreation to White Pine Beach; completed model kiosk for adaptation to other sites; initiated trails circling Sasamat Lake.

3. Burnaby Lake: Burnaby Lake Outdoor Education Association extension of nature trails east to Cariboo Dam and initiated extension of trails on south shore; upgraded riding trails; B.C. Wildlife Rescue Association relocated to new Glencairn site; repaired south shore trails damaged by power line maintenance.

4. Campbell Valley: completed restoration of 1903 Rowlatt Farm; advanced Campbell Valley Equestrian Society and Royal Astronomical Society projects to establish facilities for their activities; adapted former Langley Speedway site for large group use.

5. Capilano River: confirmed park boundaries and Crown leases on lower river; prepared plan for replanting of banks to reduce obstruction of views; substantial repairs to trails and bridges.

6. Crippen: participated in Integrated Planning Program to resolve park and local development; completed signage, and trail and landscape improvements around Union Steamship Company Store; relocation of Library and other activities to Old Store; negotiated sewer agreement, rights-of-way and other utility easements; prepared terms for possible marina expansion in Snug Cove.

7. Deas Island: completed park master plan; initial negotiations for development of a possible Native Indian Cultural Centre; Fraser River Display completed in cooperation with four other agencies; prepared agreement for rowing facilities on Deas Island and Deas Slough; extended antique sales operation in Burr House.

8. Derby Reach: Marpole Rod and Gun Club added group picnic shelter; continued liaison with Fort Langley organizations on tourist promotion and improvements in surrounding area; monitored first phase of river bar erosion protection and completed plan and estimates for next phase to complete protection.

REVIEW OF 1987 OBJECTIVES, continued

9. Boundary Bay: participated with South Delta Area Planning Committee re: Boundary Bay and other recreation sites; organized Brant Hunting activities to minimize conflicts with other park visitors.

10. Iona Island: reviewed Iona outfall possible conversion for recreational use in 1989; prepared outline for master plan in 1988; liaised with municipal and other agencies to reduce liability for motorized and other unregulated recreation in Iona vicinity.

11. Kanaka Creek: initiated action on Genstar property commitments; concept plan for Cliff Falls area; published park brochure; Army engineers cleaned up Forest Core dump site; new agreement reached for operation and maintenance of Kanaka Hatchery; terms set for Corrections Branch trail construction and hatchery activities; worked with Haney Horseman to provide substantial new equestrian bridge and trail links; purchased four additional small parcels.

12. Matsqui Trail: completed basic development of Mission bridge recreation site; placed new equestrian trail bridge to bypass James Sewage Treatment Plant to access two additional miles of dyke; negotiated right of way;

13. Lynn Headwaters: trails extended into upper Lynn Valley; arrangements with Grouse Mountain Resort for trail signage and access north of ski area; organized fire and emergency rescue procedures and contacts.

14. Minnekhada: constructed trail links and signage to connect with Addington Point wildlife area; Ducks Unlimited completed scarification of marsh vegetation; Lodge area site plan completed; water treatment installed to counteract salt water intrusion; completed minor toilet and picnic site improvements.

15. Tynehead: built parking lot and services at new Tynehead Hatchery; completed agreement with Zoological Society and Tynehead Hatchery volunteers; jointly sponsored opening of Hatchery in June; initial review and negotiations with York Hanover on proposed theme park; complete upgrading of domestic water to rental properties.

B. SPECIAL PROJECTS

1. Point Grey: continued staff negotiations and public discussion on park boundaries; some liaison with Vancouver Parks and Wreck Beach users on trail maintenance and related issues.

2. Fraser River Estuary Program: chaired Recreation Activity Work Group, initial updates, inventory and early action proposals prepared.

REVIEW OF 1987 OBJECTIVES, continued

Special Projects, continued

3. Seymour Demonstration Forest: participated on interdepartmental team to complete planning, initial development, operation and programing; supported Recreation Activity Committee and contributed to Seymour Demonstration Forest Advisory Committee and other special projects; assisted in Open House and public information activities.

C. RECREATION SERVICES

1. 20th Anniversary Program and Passport: 100,000 copies of Park Passport distributed; very successful in attracting new people to new sites; prize sponsorship obtained with assistance of Tourism Vancouver; media coverage of special events and other activities largest volume ever.

2. Special Events: attendance at ten special events ranged from 1,000 to 15,000 people; total attendance at special events increased from 43,000 to 70,000; very favourable public response, events still attracted many first time visitors to GVRD parks.

3. Interpretation Program: very varied program of children's and family events conducted with largest attendance (500 people) at a single astronomy workshop.

4. Brochures and Public Information: brochures produced for an additional three parks; new kiosk display technique implemented at Belcarra.

5. Volunteer Efforts: a substantial increase in the number of organizations and individuals contributing time and other assistance to special events and interpretative programs.

D. GENERAL PROGRAMS

1. Completed detailed inventory of field staff time at locations for 1985-87, and park facility inventory and condition audits towards better prediction of operation and maintenance costs for new park facilities and the Year 2000 Parks Strategic Plan.

2. Extended the number of parks in which trail and access road counters are available for reliable visitor estimates.

3. Completed action on cooperating association projects to commence and/or complete facilities with the Elks Club, Bowen Island Rod and Gun Club, Serpentine Hatchery Association, and Campbell Valley Equestrian Society;

4. Completed placement of directional signs to Aldergrove Lake, Minnekhada, Kanaka Creek and Belcarra Park.

REGIONAL PARKS

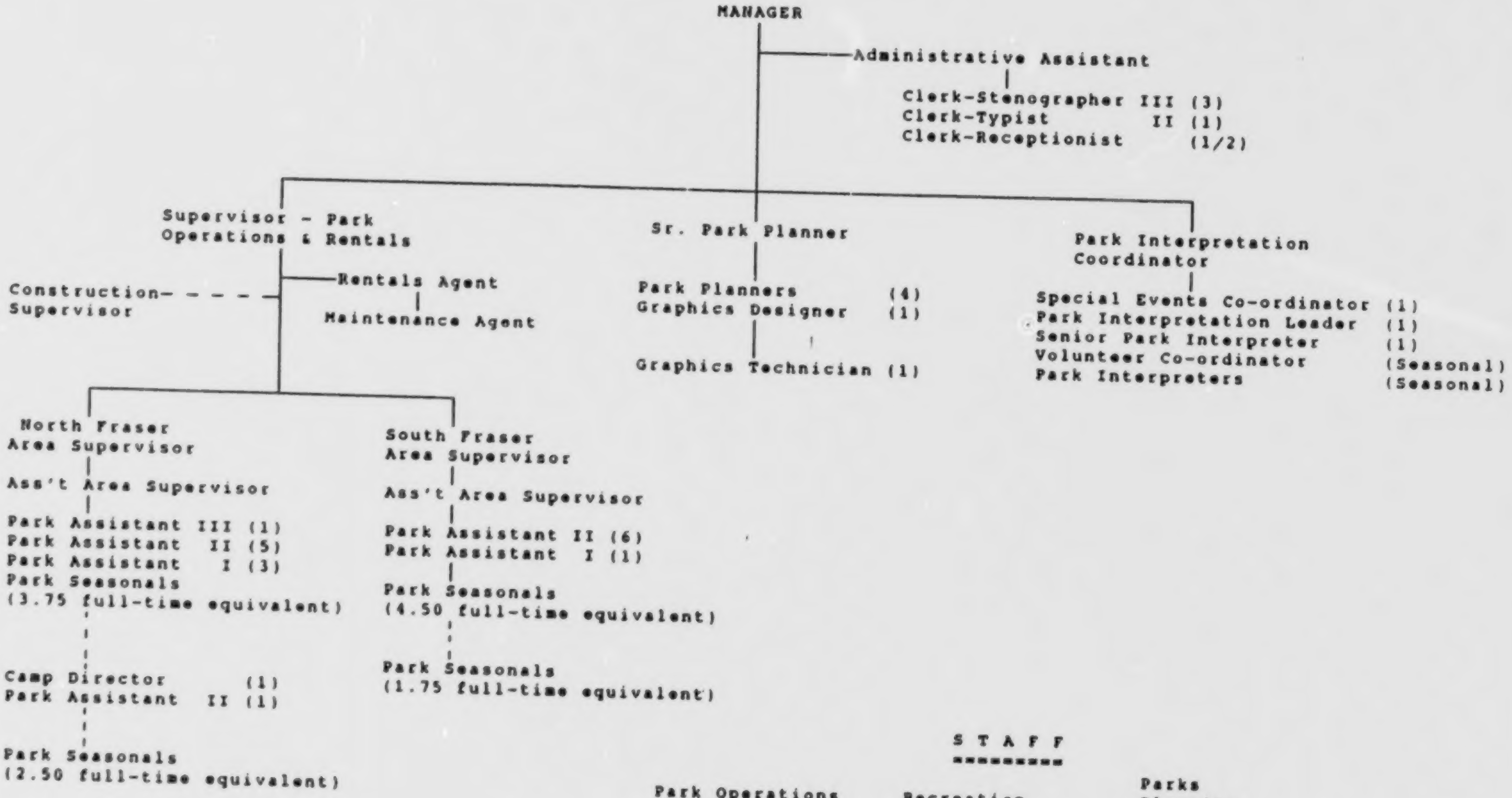
REVIEW OF 1987 OBJECTIVES, continued

General Programs, continued

5. Worked with Information Services Division to achieve increased media promotion and comment on regional parks developments and programs.

6. Improved field staff training in areas of maintenance techniques and programming, fire safety, enforcement and regulations, emergency response and chainsaw use.

1988
REGIONAL PARKS
Departmental Organization Chart



- MANAGER
  - Administrative Assistant
    - Clerk-Stenographer III (3)
    - Clerk-Typist II (1)
    - Clerk-Receptionist (1/2)
  - Supervisor - Park Operations & Rentals
    - Construction Supervisor
    - Rentals Agent
      - Maintenance Agent
    - North Fraser Area Supervisor
      - Ass't Area Supervisor
        - Park Assistant III (1)
        - Park Assistant II (5)
        - Park Assistant I (3)
        - Park Seasonals (3.75 full-time equivalent)
        - Camp Director (1)
        - Park Assistant II (1)
        - Park Seasonals (2.50 full-time equivalent)
    - South Fraser Area Supervisor
      - Ass't Area Supervisor
        - Park Assistant II (6)
        - Park Assistant I (1)
        - Park Seasonals (4.50 full-time equivalent)
        - Park Seasonals (1.75 full-time equivalent)
  - Sr. Park Planner
    - Park Planners (4)
    - Graphics Designer (1)
      - Graphics Technician (1)
  - Park Interpretation Coordinator
    - Special Events Co-ordinator (1)
    - Park Interpretation Leader (1)
    - Senior Park Interpreter (1)
    - Volunteer Co-ordinator (Seasonal)
    - Park Interpreters (Seasonal)

S T A F F

	Park Operations and Rentals	Recreation Services	Parks Planning and Admininstration
Dec. 31, 1986	21	4.00	13.5
1987 changes	1	.75	(1)
Dec.31, 1987	22	4.75	12.5
1988 changes	3	.25	1.0
TOTAL Dec. 31, 1988	25	5.00	13.5

Prepared by V. Vlaovich
30/10/87; Revised 3/11/87
VV/em
23/3/318

----- Proposed for 1988

GREATER VANCOUVER REGIONAL DISTRICT

Regional Parks
Revenue and Expenditure Budget
Year Ending December 31, 1988

	Sch	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget	% Change over 1987 Final Budget
Revenue						
Members' Tax Requisitions						
- General		$3,414,750	$3,414,750	$3,834,698	$3,805,398	
- Crippen Regional Park		256,937	256,937	256,937	256,937	
- Special Development Levy		1,300,000	1,300,000	1,300,000	1,300,000	
		4,971,687	4,971,687	5,391,635	5,362,335	+ 7.9
Net Rental Income	E48	164,900	136,905	170,538	169,488	+ 2.8
Total Revenue		$5,136,587	$5,108,592	$5,562,173	$5,531,823	+ 7.7
Expenditure						
Parks Planning & Administration	E20	$ 749,750	$ 717,661	$ 798,729	$ 801,479	+ 6.9
Parks Recreation Services	E28					
- Parkfest '86/'87		80,000	56,249			
- Other		265,100	263,371	413,579	413,579	+56.0
Parks Operations	E29	1,666,500	1,747,148	2,079,746	2,004,846	+20.3
		2,761,350	2,784,429	3,292,054	3,219,904	+16.6
Fiscal Services						
Debenture Debt charges						
- General		581,331	578,681	569,026	569,026	- 2.1
- Crippen Regional Park		256,937	256,937	256,937	256,937	
		838,268	835,618	825,963	825,963	- 1.5
Contribution to Capital Funds		1,472,969	1,462,253	1,411,356	1,411,356	- 4.2
Interest/(Income) on Temporary Borrowing		64,000	26,292	32,800	74,600	+16.6
		2,375,237	2,324,163	2,270,119	2,311,919	- 2.7
Total Expenditure		$5,136,587	$5,108,592	$5,562,173	$5,531,823	+ 7.7

GREATER VANCOUVER REGIONAL DISTRICT

Regional Parks
1988 Budget
By Object of Expenditure

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$1,597,478	$1,556,455	$1,956,576	$1,852,458
Board vehicles & mileage	243,450	274,679	256,894	247,522
Travel	2,200	1,558	2,496	2,496
Other services	128,740	129,310	109,554	160,878
Legal	5,000	4,888	5,200	5,200
Materials & supplies	151,700	188,300	178,828	163,584
Purchased maintenance & repairs	22,100	28,134	49,660	44,460
Electricity & gas	39,400	28,379	57,542	46,324
Telephone	38,510	40,398	40,950	39,250
Insurance	50,750	54,045	51,850	51,850
Equipment replacement	55,800	88,254	76,650	86,950
Duplicating	17,200	12,929	18,096	18,096
Rent	121,000	127,985	124,640	124,640
Computer operating costs allocated	14,000	16,800	16,910	16,910
Central administrative services allocated	56,500	66,900	72,400	75,900
Corporate services allocated	7,200	6,863	7,200	7,200
Provision for board & committee requests	10,000	10,589	10,000	10,000
Radio communications	25,000	27,356	31,200	31,200
Indirect departmental costs	11,788	21,363	19,434	19,412
Provision for contingency				
(Point Grey)			130,000	85,000
(Capilano Camp)				10,000
	2,597,816	2,685,185	3,216,080	3,099,330
Recoveries	(58,538)	(96,720)	(128,900)	(84,300)
	2,539,278	2,588,465	3,087,180	3,015,030
Special Events & Activities				
Parks Master Plan	50,000	50,308	50,000	50,000
Provision for special events	67,072	61,637	122,874	122,874
Parkfest 86/87	80,000	56,249		
Provision for public information & brochures	25,000	27,770	25,000	25,000
Signs & brochures			7,000	7,000
	222,072	195,964	204,874	204,874
	$2,761,350	$2,784,429	$3,292,054	$3,219,904

Note: Excludes rental operations

GREATER VANCOUVER REGIONAL DISTRICT

Parks Source & Application of Capital Funds

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Funds Provided By:				
Balance of funds from prior years	$ 791,073	$ 791,073	$ (47,962)	$ (384,704)
Contribution from Revenue	1,472,969	1,462,253	1,411,356	1,411,356
Temporary capital borrowing			464,106	800,848
Net proceeds from disposal of surplus property	362,100	180,671	480,000	480,000
Total	2,626,142	2,433,997	2,307,500	2,307,500
Funds Applied To:				
Principle portion agreement for sale	127,500	127,500	127,500	127,500
Property acquisition	1,100,500	360,963	1,185,000	1,185,000
Park Development	2,266,000	2,330,238	995,000	995,000
Total	3,494,000	2,818,701	2,307,500	2,307,500
Funds on hand carried to following year	$ (867,858)	$ (384,704)	$ NIL	$ NIL

GREATER VANCOUVER REGIONAL DISTRICT

Parks Planning and Administration
1988 Budget
by Program

	Sch	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Administration	E22	$138,550	$136,461	$154,886	$154,886
Indirect departmental costs	E23	248,800	266,746	266,734	269,484
		387,350	403,207	421,620	424,370
Parks Planning					
Land acquisition & co-ordination	E24	50,800	37,264	61,403	61,403
Park system planning & research	E25	169,800	146,696	168,274	168,274
Park development & implementation	E26	81,800	69,597	87,432	87,432
		302,400	253,557	317,109	317,109
Provision for Parks Master Plan	E27	50,000	50,308	50,000	50,000
Provision for special studies as authorized by the Committee (to be appropriated)	E27	10,000	10,589	10,000	10,000
Total Expenditure		$749,750	$717,661	$798,729	$801,479

GREATER VANCOUVER REGIONAL DISTRICT

Parks Planning and Administration
1988 Budget
By Object of Expenditure

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$396,700	$342,752	$426,187	$426,187
Board & rented vehicles	10,450	9,719	10,510	10,510
Mileage	500	694	520	520
Travel	1,000	707	1,040	1,040
Other services	7,800	13,854	8,476	8,476
Legal	5,000	4,888	5,200	5,200
Materials & supplies	12,700	12,214	13,104	13,104
Telephone	17,600	19,234	17,600	17,600
Postage	5,200	5,591	5,408	5,408
Insurance	40,400	40,373	40,400	40,400
Equipment replacement, maintenance & repairs	10,500	14,681	10,560	10,560
Duplicating	17,000	11,477	17,680	17,680
Rent	121,000	127,985	124,640	124,640
Computer operating costs allocated	14,000	16,800	16,910	16,910
Central administrative services allocated	22,500	28,300	33,200	35,950
Corporate services allocated	7,200	6,863	7,200	7,200
Indirect departmental costs allocated	200	632	94	94
Provision for Parks Master Plan	50,000	50,308	50,000	50,000
Provision for Board & Committee requests	10,000	10,589	10,000	10,000
Total Expenditure	$749,750	$717,661	$798,729	$801,479

Parks Planning and Administration

Administration Program

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$115,200	$112,591	$130,726	
Board & rented vehicles	5,650	6,303	5,710	
Mileage	200	200	208	
Travel	1,000	707	1,040	
Other services	5,000	5,470	5,356	
Legal	5,000	4,888	5,200	
Materials & supplies	1,600	1,853	1,664	
Postage	200	189	208	
Equipment replacement, maintenance & repairs		229		
Duplicating	4,500	3,709	4,680	
Indirect departmental costs allocated	200	322	94	
Total Expenditure	$138,550	$136,461	$154,886	$154,886

Parks Planning & Administration

Indirect Departmental Costs

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Other services	$ 1,100	$ 1,472	$ 1,144	$ 1,144
Materials & supplies	4,500	5,694	4,680	4,680
Telephone	17,600	19,234	17,600	17,600
Postage	5,000	5,402	5,200	5,200
Insurance	40,400	40,373	40,400	40,400
Equipment replacement, maintenance & repairs	10,500	14,477	10,560	10,560
Duplicating	5,000	146	5,200	5,200
Rent	121,000	127,985	124,640	124,640
Computer operating costs allocated	14,000	16,800	16,910	16,910
Central administrative services allocated	22,500	28,300	33,200	35,950
Corporate Services allocated	7,200	6,863	7,200	7,200
Total Expenditure	$248,800	$266,746	$266,734	$269,484

Parks Planning and Administration

Land Acquisition Co-ordination Program

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$49,800	$36,596	$60,363	
Mileage	100	100	104	
Other services	300	353	312	
Materials & supplies	600	215	624	
Total Expenditure	$50,800	$37,264	$61,403	$61,403

Parks Planning and Administration

Park System Planning & Research Program

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$151,500	$124,939	$149,330	
Board & rented vehicles	4,800	3,416	4,800	
Mileage	100	294	104	
Other services	1,000	6,273	1,248	
Materials & supplies	4,900	3,886	4,992	
Duplicating	7,500	7,622	7,800	
Indirect departmental costs allocated		266		
Total Expenditure	$169,800	$146,696	$168,274	$168,274

PARKS PLANNING AND ADMINISTRATION

Park Development and Implementation Program

Purpose

To finalize development schemes for regional parks and document costs and impacts of specific project proposals for Committee authorization; liaison with municipalities on services, access, routes and community programs; liaison with public and community groups, particularly to produce financial and volunteer resources.

Activities or Level of Service

1. Implement Year Three of Five-Year Park Improvement Program.
2. Pursue volunteer inputs and alternative funding sources for rehabilitation, research, and programs based on cultural and natural history at Deas Island.
3. Extend Burnaby Lake trail links signing and improvements from Piper Avenue Nature Area to Brunette Dam and south shore connections.
4. Complete engineering and site planning for secondary facilities at Sasamat Lake.
5. Complete very small-scale improvements at Burnaby Lake, Kanaka Creek, Campbell Valley, Capilano River, Lynn Headwaters, Matsqui Trail, Derby Reach, Tynehead and Point Grey Regional Parks (if dedicated).
6. Continue trail and bridge improvements using Corrections Branch and other sources of aid.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$80,200	$68,626	$85,768	
Mileage	100	100	104	
Other services	400	305	416	
Materials & supplies	1,100	566	1,144	
Total Expenditure	$81,800	$69,597	$87,432	$87,432

PARKS PLANNING AND ADMINISTRATION

Provision for Special Studies

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Parks Master Plan	$50,000	$50,308	$50,000	$50,000
Special studies as authorized by the Committee (to be appropriated)	$10,000	$10,589	$10,000	$10,000

GREATER VANCOUVER REGIONAL DISTRICT

Parks Recreation Services
1988 Budget
By Object of Expenditure

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Nature Interpretation				
Salaries & employee benefits	$159,078	$179,763	$254,539	
Board & rented vehicles	10,400	9,050	10,452	
Other services	6,340	9,560	12,636	
Telephone	210	225	300	
Insurance	250	285	250	
Materials & supplies	6,400	5,419	7,072	
Purchased maintenance & repairs	200	25	208	
Indirect departmental costs	2,388	3,527	4,548	
	185,266	207,854	290,005	
Recoveries	(12,238)	(33,890)	(31,300)	
Total Nature Interpretation	173,028	173,964	258,705	258,705
Special Events & Activities				
Salaries & employee benefits	33,772	31,156	48,538	
Board & rented vehicles	300	4,012	650	
Mileage	300	380	364	
Travel	100	614		
Tuition	300	150	416	
Other services	1,300	860	1,976	
Materials & supplies	1,600	2,328	2,184	
Printing	200	78	208	
Indirect departmental costs		96	538	
	37,872	39,674	54,874	
Provisions	29,200	21,963	38,000	
1988 Promotional brochure			30,000	
	67,072	61,637	122,874	
Information	25,000	27,770	25,000	
20th Anniversary	80,000	56,249		
Signs & brochures			7,000	
Total Special Events & Activities	172,072	145,656	154,874	154,874
Total Expenditure	$345,100	$319,620	$413,579	$413,579

GREATER VANCOUVER REGIONAL DISTRICT

Parks Operations
1988 Budget
By Program

	Sch	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget	% Change over 1987 Final Budget
Management	E31	$ 131,900	$ 157,740	$ 177,646	$ 185,396	+40.6
Aldergrove Lake	E32	131,700	133,712	150,154	150,154	+14.0
Belcarra Park	E33	232,000	249,507	283,719	293,219	+26.4
Boundary Bay	E34	14,300	15,573	19,584	19,584	+37.0
Burnaby Lake	E35	135,600	148,757	145,312	145,312	+ 7.2
Campbell Valley	E36	159,900	185,210	172,446	176,446	+10.4
Camp Capilano	E37			44,582	20,000	
Capilano River	E38	146,200	153,776	174,402	171,802	+17.5
Crippen Park	E39	57,300	56,752	83,136	64,318	+12.3
Deas Island	E40	101,600	92,765	113,575	115,575	+13.8
Derby Reach	E41	105,800	131,488	124,495	116,995	+10.6
Kanaka Creek	E42	100,300	113,606	114,783	114,783	+14.4
Lynn Headwaters	E43	90,900	92,961	104,642	106,792	+17.5
Matsqui Trail	E44	90,200	90,098	95,382	95,382	+ 5.8
Minnekhada	E45	96,200	103,946	115,257	113,457	+17.9
Point Grey (contingency)	E46	45,200		130,000	85,000	+88.1
Tynehead	E47	26,400	19,002	29,591	29,591	+12.1
Capilano Road Maintenance	E47	1,000	2,255	1,040	1,040	+ 4.0
Total Expenditure		$1,666,500	$1,747,148	$2,079,746	$2,004,846	+20.3

GREATER VANCOUVER REGIONAL DISTRICT

Parks Operations
1988 Budget
By Object of Expenditure

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$1,041,700	$1,033,940	$1,275,850	$1,171,732
Board & rented vehicles	222,100	255,216	235,412	226,040
Other services	103,000	97,009	80,288	131,612
Telephone	20,700	20,939	23,050	21,350
Insurance	10,100	13,387	11,200	11,200
Materials & supplies	132,600	170,179	158,652	143,408
Purchased maintenance & repairs	21,900	25,950	47,892	42,692
Electricity, natural gas & water	39,400	29,128	57,542	46,324
Security	7,800	5,290	4,618	4,618
Equipment replacement	45,300	75,732	67,650	77,950
Indirect departmental costs	9,200	17,204	14,792	14,770
Central administrative services allocated	34,000	38,600	39,200	39,950
Radio communications	25,000	27,356	31,200	31,200
Provision for contingency			130,000	95,000
	1,712,800	1,809,930	2,177,346	2,057,846
Recoveries	(46,300)	(62,782)	(97,600)	(53,000)
Total Expenditure	$1,666,500	$1,747,148	$2,079,746	$2,004,846

GREATER VANCOUVER REGIONAL DISTRICT

Parks Operations Management

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$ 62,200	$ 66,861	$ 81,126	$ 81,126
Board & rented vehicles	4,500	6,544	4,800	4,800
Other services	500	7,059	520	7,520
Telephone	1,700	2,673	2,000	1,000
Insurance	1,000		10,800	10,800
Materials & supplies		977		
Equipment replacement	3,000	7,599	8,000	9,000
Indirect departmental costs		71		
Central administrative services allocated	34,000	38,600	39,200	39,950
Radio communications	25,000	27,356	31,200	31,200
Total Expenditure	$131,900	$157,740	$177,646	$185,396

PARKS OPERATIONS PROGRAM

Aldergrove Lake Program

Purpose

To operate and maintain Aldergrove Lake Regional Park.

Activities or Level of Service

- Park patrol daily for 12 months (intensive lake safety patrol for 4 months);
- Garbage and litter pick-up daily 8 months, twice weekly for 4 months;
- Lake chlorination daily for 4 months (monitoring, twice daily);
- Toilet maintenance daily for 12 months;
- Operation of water system 12 months;
- Traffic control daily for 4 months;
- Painting and repair of tables, buildings, plumbing, signs, parking lots, trails, bridges and all equipment;
- Weeding of lake area, picnic terraces and road shoulders;
- Supervision and minimum maintenance of parkland not rented or open to public;
- Supervision 12 months.

Alternatives

Reduce staff levels.

How

- ·Two Park Assistants I for 4 months instead of 6 months.
- ·Delete the Park Patroller position for 6 months, spread over 8 parks.

Consequences

Reduced patrol, litter pick-up, supervision of parkland and security. More misuse and vandalism in shoulder months, reduced security staff and monitoring of public use.

Decrease in Budget

- 2 Park Assistants I	$8,262	
- Park Patroller	1,400	$9,662
- Benefits		$ 531

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$ 88,100	$ 92,377	$ 99,975	
Board & rented vehicles	16,000	15,477	16,540	
Other services	3,400	2,950	6,136	
Telephone	1,600	980	1,000	
Insurance	500	686	100	
Materials & supplies	13,300	13,860	15,288	
Purchased maintenance & repairs	2,500	1,247	4,160	
Electricity, natural gas & water	1,700	1,129	1,872	
Equipment replacement	3,000	3,058	3,000	
Indirect departmental costs	1,600	1,948	2,083	
Total Expenditure	$131,700	$133,712	$150,154	$150,154

PARKS OPERATION PROGRAM (continued)

Belcarra Park Program

Purpose:

Operation and Maintenance of Belcarra Regional Park including White Pine Beach.

Activities or Level of Service:

Park Patrol and public liaison daily - 12 months.
Traffic and crowd control
Monitoring of undeveloped areas.
Litter pick-up - continuous.
Grass cutting - 32 times.
Supervision - 12 months.
Two - Self-contained water system maintenance.
Maintenance and repair of trail system.
Maintenance and repair of playground.
Supervision of grant programs and minor construction projects.
Additional washroom changeroom maintenance (Building).
Road and parking lot maintenance (White Pine Beach).
Beach clean-up and maintenance.
Park security during the summer season.
Monitoring contracted food concessions.
Landscape and turf maintenance.

NOTE: White Pine Beach included in these activities for a 12 month operation.

Alternatives:
Decrease staffing levels.

How:
Decrease seasonal park patrolling security positions from 20 months to 16 months.

Consequences:
Lowered security and maintenance frequencies and standards.

Decrease in Budget:
$7,100.00

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$147,400	$161,271	$198,154	$198,154
Board & rented vehicles	29,300	29,963	29,488	30,988
Other services	10,900	7,677	11,648	15,648
Telephone	2,200	1,751	2,250	2,250
Insurance	1,000	1,544		
Materials & supplies	20,900	26,044	21,112	21,112
Purchased maintenance & repairs	4,000	3,719	4,264	4,264
Electricity, natural gas & water	5,100	3,842	6,760	6,760
Security	4,100	2,813	1,768	1,768
Equipment replacement	9,100	16,490	12,000	16,000
Indirect departmental costs	2,000	3,395	3,275	3,275
	236,000	258,509	290,719	300,219
Recoveries	(4,000)	(9,002)	(7,000)	(7,000)
Total Expenditure	$232,000	$249,507	$283,719	$293,219

PARKS OPERATION PROGRAM (continued)

Boundary Bay Program

Purpose

Supervision. Maintenance of Boundary Bay Regional Park.

Activities or Level of Service

Park patrol and public liaison	- 4 months
Maintenance, litter pick-up	- 4 months
Trail bike and four wheel drive control	- 6 months

Alternatives

Reduce staff levels.

How

- Delete the Park Patroller position for 6 months, spread over 8 parks.

Consequences

Reduced patrol, public liaison and security. Increase misuse and vandalism in shoulder months.

Decrease in Budget

- Park Patroller	1,400
- Benefits	77

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$ 9,700	$11,445	$12,893	
Rented vehicles & equipment	2,600	3,249	4,120	
Other services			416	
Materials & supplies	1,500	868	1,664	
Indirect departmental costs		311	491	
	14,300	15,873	19,584	
Recoveries		(300)		
Total Expenditure	$14,300	$15,573	$19,584	$19,584

PARKS OPERATION PROGRAM (continued)

Burnaby Lake Program

Purpose:

Operation and maintenance of Burnaby Lake Regional Park.

Activities or Level of Service:

Park patrol and public liaison - daily - 6 months
- 5 days/week - 6 months
Maintenance of extensive trail network - the majority of which are wet boggy areas.
Painting and repairing.
Grass cutting - 32 times in two areas.
Litter pick-up - continuous.
Supervision - 12 months.
Supervision of grant projects and minor construction projects.

Alternatives:

None.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$ 92,000	$ 90,361	$ 98,810	
Board & rented vehicles	18,400	19,030	18,172	
Other services	2,800	5,137	2,184	
Telephone	2,200	2,784	3,000	
Insurance		769		
Materials & supplies	9,200	20,676	11,076	
Purchased repairs & maintenance	1,200	2,110	1,248	
Electricity, natural gas & water	4,000	2,817	4,160	
Security	500	480	541	
Equipment replacement	4,700	5,408	5,500	
Indirect departmental costs	600	1,029	621	
	135,600	150,601	145,312	
Recoveries		(1,844)		
Total Expenditure	$135,600	$148,757	$145,312	$145,312

PARKS OPERATION PROGRAM (continued)

Campbell Valley Program

Purpose:

To operate and maintain Campbell Valley Regional Park.

Activities or Level of Service:

- Park and trail patrol daily for 12 months;
- Garbage and litter pickup daily for 6 months; twice weekly for 6 months;
- Grass cutting 24 times annually;
- Daily maintenance on 4 sets of pit toilets and 1 flush toilet building;
- Maintaining and patrol of group camp, group picnic area and equestrian centre;
- Maintenance and patrol of 8 km of nature trails and 14 km of horse trails;
- Policing and patrol of 4 hectares heritage site;
- Operation of 2 water systems and 2 hand pumps;
- Liaison with and organizing large groups;
- Painting & repairing tables, buildings, plumbing, signs, boardwalks, bridges and trails;
- Weeding picnic terraces and road shoulders;
- Supervision 12 months.

Alternatives:

Reduce staff levels- •Park Assistant I for 4 months instead of 6 months
Delete the Park Patroller position for 6 months, spread over 8 parks

Consequences:

Reduced patrol, litter pick-up, painting and security. Reduced security staff and less monitoring of public use.

Decrease in Budget:

- Park Assistant I	$4,131	
- Park Patroller	1,400	$5,531
- Benefits		$ 304

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$ 99,900	$101,236	$109,544	$109,544
Board & rented vehicles	22,000	36,371	22,540	22,540
Other services	6,200	5,472	7,280	7,280
Telephone	2,500	2,157	2,500	2,500
Insurance	1,200	1,430	300	300
Materials & supplies	13,200	19,784	13,832	13,832
Purchased maintenance & repairs	3,400	4,530	5,200	5,200
Electricity, natural gas & water	5,000	2,614	3,640	5,140
Equipment replacement	7,500	11,925	9,500	12,000
Indirect departmental costs	800	2,358	1,110	1,110
	161,700	187,877	175,446	179,446
Recoveries	(1,800)	(2,667)	(3,000)	(3,000)
Total Expenditure	$159,900	$185,210	$172,446	$176,446

PARKS OPERATION PROGRAM (continued)

Camp Capilano

Capilano River Park Program

Purpose:

To operate a residential camp and programs until a long-term management decision is made (3-4 months).

Contractual arrangement with Vancouver Parks Board.

Alternatives:

Seek non-profit or commercial operator. Close camp.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits			$60,518	$
Board & rented vehicles			1,200	
Other services			2,392	10,000
Telephone			700	
Materials & supplies			8,632	
Purchased maintenance			5,200	
Electricity, natural gas & water			12,718	
Equipment replacement			4,800	
Indirect departmental costs			22	
Provision for contingency				10,000
			96,182	20,000
Recoveries			(51,600)	
Total Expenditure		0	$44,582	$20,000

PARKS OPERATION PROGRAM (continued)

Capilano River Park Program

Purpose:

Operation and maintenance of Capilano River Regional Park.

Activities or Level of Service:

Park patrol and public liaison - daily - 12 months - operation of Camp Capilano
Hatchery traffic control - weekends
Monitoring undeveloped areas
Grass cutting - 32 times
Maintain flower and shrub beds
Clean two very busy public washrooms
Litter pick-up
Painting and repairing - tables, buildings, bridges, signs and gates
Maintain extensive trail network
Supervision - 12 months
Hatchery access road drainage maintenance
Supervision of grant programs and minor construction projects
Tour bus control and fee collection at Hatchery

Alternatives:

None.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$112,200	$116,018	$132,410	$123,810
Board & rented vehicles	15,200	17,745	19,592	19,592
Other services	4,900	2,355	5,096	5,096
Telephone			1,050	1,050
Insurance	1,200	1,489		
Materials & supplies	12,300	9,712	13,208	13,208
Purchased maintenance	600	1,199	624	624
Electricity, natural gas & water		106	624	624
Security	1,200	1,187	1,248	1,248
Equipment replacement	3,500	7,497	3,500	7,500
Indirect departmental costs	1,100	2,226	2,050	2,050
	152,200	159,534	179,402	174,802
Recoveries	(6,000)	(5,758)	(5,000)	(3,000)
Total Expenditure	$146,200	$153,776	$174,402	$171,802

PARKS OPERATION PROGRAM (continued)

Crippen Park Program

Purpose:

Operation and maintenance.

Activities or Level of Service:

Park patrol and public liaison - daily - 12 months (contract service)
Maintenance of trail network
Painting and repairing tables, signs, bridges, building and water system
Grass cutting - 32 times
Litter pick-up - continuous
Supervision - 12 months
Supervision of grant programs
Building supervision

Patrol, maintenance and security will remain on a contract basis until December 31, 1988.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$16,500	$14,964	$51,887	$16,887
Board & rented vehicles	5,000	7,185	15,392	5,720
Other services	27,200	26,017	3,971	33,087
Telephone	1,000	431	950	950
Insurance	600	583		
Materials & supplies	4,700	5,729	8,268	6,656
Purchased maintenance & repairs	500	787	676	676
Electricity, natural gas & water	4,300	3,141	4,472	4,472
Security			520	520
Equipment replacement		345	2,000	350
	59,800	59,182	88,136	69,318
Recoveries	(2,500)	(2,430)	(5,000)	(5,000)
Total Expenditure	$57,300	$56,752	$83,136	$64,318

PARKS OPERATION PROGRAM (continued)

Deas Island Program

Purpose

Supervision. Maintenance of Deas Island Regional Park.

Activities or Level of Service

Park patrol and public liaison - 12 months
Maintenance, litter pick-up - 12 months
Trail bike and four wheel drive control - 6 months
Maintain park facilities - heritage building and gardens
Fraser River display and dykes and trails
Grass cutting picnic area maintenance - 12 months

Alternatives

Reduce staff levels.

How

- Park Assistant I for 4 months instead of 6 months.
- Delete the Park Patroller position for 6 months, spread over 8 parks.

Consequences

Reduced patrol, litter pick-up, maintenance and security. Increase in misuse and vandalism in shoulder months, reduced monitoring of public use.

Decrease in Budget

- Park Assistant I	$4,131	
- Park Patroller	1,400	$5,531
- Benefits		$ 304

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$ 59,000	$ 51,216	$ 68,222	$ 68,222
Board & rented vehicles	15,800	16,609	16,540	16,540
Other services	5,600	3,627	5,720	5,720
Telephone	2,500	2,364	2,500	2,500
Insurance		829		
Materials & supplies	7,800	13,166	8,528	8,528
Purchased maintenance & repairs	2,500	1,317	3,120	3,120
Electricity, natural gas & water	6,000	4,676	6,240	6,240
Equipment replacement	2,000	3,708	2,000	4,000
Indirect departmental costs	400	618	705	705
	101,600	98,130	113,575	115,575
Recoveries		(5,365)		
Total Expenditure	$101,600	$ 92,765	$113,575	$115,575

PARKS OPERATION PROGRAM (continued)

Derby Reach Program

Purpose:
To operate and maintain Derby Reach Regional Park.

Activities or Level of Service:

- Operate overnight camping site;
- Park patrol daily for 12 months;
- Garbage and litter pickup daily for 12 months;
- Grass cutting 24 times;
- Grass raking 6 times;
- Campsite Pad maintenance daily for 12 months;
- Operation of the water system;
- Painting & repairing tables, 6 toilet buildings, signs, picnic areas, road shoulders & camping pads;
- Liaison with and organizing large fishing derbies;
- Supervision and minimum maintenance of park land not open to public or rented;
- Supervision 12 months.

Alternatives:
Reduce staff levels.

How:

- Two Park Assistants I for 4 months instead of 6 months.
- Delete the Park Patroller position for 6 months, spread over 8 parks.

Consequences:

Reduced patrol, public liaison, maintenance and security. Increase in misuse and vandalism in shoulder months, reduced security staff and supervision of parkland.

Decrease in Budget:

- Park Assistants I	$8,262	
- Park Patroller	1,400	$9,662
- Benefits		$ 531

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$ 68,700	$ 80,146	$ 81,831	$ 81,831
Board & rented vehicles	18,300	23,345	18,020	18,020
Other services	8,800	9,374	6,864	8,864
Telephone	3,000	4,193	3,000	3,000
Insurance	300	682		
Materials & supplies	13,600	22,341	16,120	11,120
Purchased maintenance	500	1,309	3,120	3,120
Electricity, natural gas & water	1,300	1,182	3,744	3,744
Equipment replacement	3,500	4,097	3,500	4,000
Indirect departmental costs	800	1,677	1,296	1,296
	118,800	148,346	137,495	134,995
Recoveries	(13,000)	(16,858)	(13,000)	(18,000)
Total Expenditure	$105,800	$131,488	$124,495	$116,995

PARKS OPERATION PROGRAM (continued)

Kanaka Creek Program

Purpose:

To operate and maintain Kanaka Creek Regional Park.

Activities or Level of Service:

- Park patrol daily for 12 months;
- Garbage and litter pickup daily for 12 months;
- Grass cutting 24 times;
- Raking 6 times;
- Fertilizing twice annually;
- Maintain toilets daily for 12 months;
- Maintenance of the facilities at the fish hatchery;
- Painting, cleaning and repair of tables, signs, trails, safety fences, bridges and all equipment;
- Supervision and minimum maintenance of park land not rented or open to the public;
- Supervision 12 months.

Alternatives:
Reduce staff levels.

How:
- Park Assistant I for 4 months instead of 6 months.
- Delete the Park Patroller position for 6 months, spread over 8 parks.

Consequences:
Increased misuse and vandalism in shoulder months. Reduce maintenance and security staff.

Decrease in Budget:

- Park Assistant I	$4,131	
- Park Patroller	1,400	$5,531
- Benefits		$ 304

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$ 58,600	$ 60,454	$ 68,222	
Board & rented vehicles	14,800	22,125	15,520	
Other services	14,100	8,728	8,736	
Telephone	2,000	1,864	2,000	
Insurance	900	974		
Materials & supplies	7,300	8,429	8,008	
Purchased maintenance	2,100	999	3,120	
Electricity, natural gas & water	1,700	3,152	1,872	
Equipment replacement	4,400	6,588	6,600	
Indirect departmental costs	400	893	705	
	106,300	114,206	114,783	
Recoveries	(6,000)	(600)		
Total Expenditure	$100,300	$113,606	$114,783	$114,783

PARKS OPERATION PROGRAM (continued)

Lynn Headwaters Program

Purpose:

Operation and maintenance.

Activities or Level of Service:

Park patrol and public liaison - daily - 6 months
- 3 days a week - 8 months
Maintenance of extensive trail network
Painting and repairing tables, signs, bridges, building and water system
Grass cutting - 32 times
Litter pick-up - continuous
Supervision - 12 months
Supervision of grant programs

Alternatives:

None.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$60,700	$ 58,549	$ 66,328	$ 66,328
Board & rented vehicles	14,800	15,241	15,304	15,304
Other services	4,300	2,411	4,680	4,680
Telephone	1,000	588	1,050	1,050
Insurance	200	524		
Materials & supplies	6,000	6,971	9,620	9,620
Purchased maintenance & repairs	500	2,081	2,600	2,600
Electricity, natural gas & water	2,500	1,768	2,600	2,600
Equipment replacement	500	3,781	1,850	4,000
Indirect departmental costs	400	1,047	610	610
Total Expenditure	$90,900	$92,961	$104,642	$106,792

PARKS OPERATION PROGRAM (continued)

Matsqui Trail Program

Purpose:

To operate and maintain Matsqui Trail Regional Park.

Activities or Level of Service:

- Park patrol daily for 4 months, twice weekly for 8 months;
- Garbage and litter pickup daily for 4 months, twice weekly for 8 months;
- Grass mowing 12 times; Dyke brush maintenance once annually
- Painting & repairs of park signs, tables, trails, gates and toilet buildings;
- Liaison with large groups of fishermen;
- Supervision 12 months.

Alternatives:

Reduce staff levels.

How:

Delete the Park Patroller position for 6 months, spread over 8 parks.

Consequences:

Increase in misuse and vandalism in shoulder months. Reduced security staff.

Decrease in Budget:

- Park Patroller	1,400
- Benefits	77

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$58,600	$55,742	$62,206	
Board & rented vehicles	18,500	19,309	19,020	
Other services	2,800	4,564	3,224	
Insurance		77		
Materials & supplies	5,800	5,901	6,344	
Purchased maintenance & repairs	2,100	2,398	2,080	
Electricity, natural gas & water		164		
Equipment replacement	2,000	1,360	2,000	
Indirect departmental costs	400	583	508	
Total Expenditure	$90,200	$90,098	$95,382	$95,382

PARKS OPERATION PROGRAM (continued)

Minnekhada Park Program

Purpose:

Operation and Maintenance.

Activities or Level of Service:

Park patrol and public liaison	- daily	- 6 months
	- 3 days a week	- 6 months
Maintenance of an extensive trail network		
Maintenance and operation of Minnekhada Lodge		
Painting and repairing tables, signs, bridges, building and water system		
Grass cutting	- 32 times	
Litter pick-up	- continuous	
Supervision	- 12 months	
Supervision of grant programs		

Alternatives:

None.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$ 60,700	$ 62,419	$ 66,328	$ 66,328
Board & rented vehicles	13,400	17,846	14,104	14,104
Other services	8,200	11,392	8,632	10,232
Telephone	1,000	1,154	1,050	1,050
Insurance	3,200	3,382		
Materials & supplies	10,000	12,926	12,272	12,272
Purchased maintenance & repairs	2,000	2,854	12,480	12,480
Electricity, natural gas & water	7,800	4,441	8,840	8,840
Security	500	810	541	541
Equipment replacement	2,100	3,876	3,400	4,000
Indirect departmental costs	300	545	610	610
	109,200	121,645	128,257	130,457
Recoveries	(13,000)	(17,699)	(13,000)	(17,000)
Total Expenditure	$ 96,200	$103,946	$115,257	$113,457

PARKS OPERATION PROGRAM (continued)

Point Grey Regional Park (Contingency)

Purpose

Operate and maintain Point Grey Regional Park.

Activities or Level of Service

Establish park patrols and public liaison in a new regional park.

Maintain washrooms - when established.

Begin to monitor use and user patterns.

Litter pickup.

Maintain trails.

Supervise grant programs.

Supervise small development programs.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$32,800		$	$
Board & rented vehicles	7,700			
Other services	800			
Materials & supplies	2,500			
Security	1,000			
Indirect departmental costs	400			
Provision for contingency			130,000	85,000
Total Expenditure	$45,200	0	$130,000	$ 85,000

PARKS OPERATION PROGRAM (continued)

Tynehead Park Program

Purpose:

Supervise, operate and maintain Tynehead Regional Park.

Activities or Level of Service

- Park patrol and public liaison	- 6 months.
- Maintain park trails, bridges, boardwalks and parking lot	- 6 months.
- Monitor undeveloped areas for illegal use, trail bikes, etc.	- 6 months.
- Litter pick-up	- 6 months.
- Supervision	-12 months.

Alternatives

Reduce staff levels.

How:

Delete the Park Patroller position for 6 months, spread over 8 parks.

Consequences:

Increase misuse and vandalism in shoulder months. Reduced security staff.

Decrease in Budget:

- Park Patroller	1,400
- Benefits	77

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Labour & employee benefits	$14,600	$10,881	$17,396	
Rented vehicles & equipment	5,800	5,177	5,060	
Other services	2,500		2,808	
Insurance		118		
Materials & supplies	3,500	2,240	3,640	
Electricity, natural gas & water		96		
Indirect departmental costs		490	687	
Total Expenditure	$26,400	$19,002	$29,591	$29,591

Capilano Road

Materials & supplies	$ 1,000	$ 2,255	$ 1,040	$ 1,040
Total Expenditure	$ 1,000	$ 2,255	$ 1,040	$ 1,040

GREATER VANCOUVER REGIONAL DISTRICT

Regional Parks
1988 Budget
Net Income from Rental Operations
Year ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
Rentals	$620,100	$610,694	$627,100	$627,100
Expenditure				
Labour & employee benefits	68,900	69,613	75,586	75,586
Property taxes	104,000	109,175	94,000	94,000
Insurance	17,100	17,340	18,000	18,000
Repairs, maintenance, materials, supplies & property rehabilitation	229,100	223,232	229,300	229,300
Legal	3,000	1,011	3,224	3,224
Board vehicles & mileage	2,700	1,585	2,808	2,808
Provision for doubtful accounts	6,000	6,539	6,000	6,000
Central administrative services	12,000	13,390	13,000	14,050
Other services & supplies	6,500	20,153	6,760	6,760
Provision for equipment replacement	500	693	500	500
Water, electricity & natural gas	5,400	11,058	7,384	7,384
Total Expenditure	455,200	473,789	456,562	457,612
Net Income	$164,900	$136,905	$170,538	$169,488

"F"

GREATER VANCOUVER REGIONAL DISTRICT

ELECTORAL AREAS
SUMMARY OF INCREASE IN 1988
EXPENDITURES OVER 1987 FINAL BUDGET

1987 Final Budget			$ 525,493
Operating Expenses			
Changes in level of service			
Electoral Area "A" reorganization			
- Planning Function	$ (30,198)		
- Administration	15,867		
	(14,331)		
Building Inspection Service	(28,567)		
Electoral Area "C" Administration	26,416	(16,482)	
Change in base budget			
Sasamat Volunteer Fire Dept.			
- volunteer expenses	(4,500)		
Election & enumeration expenses	616	(3,884)	
Inflation		3,533	(16,833)
Debt Charges			
Sasamat Fire Department		250	
Bowen Island Recreation Services		(2,274)	(2,024)
1988 Final Budget			$ 506,636

GREATER VANCOUVER REGIONAL DISTRICT

Electoral Area Functions
Revenue and Expenditure Budget
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget	% Change over 1987 Final Budget
Revenue					
Tax requisitions	$449,840	$450,110	$464,761	$456,754	+ 1.5
Other Revenue	10,000	17,196	15,000	15,000	+50.0
Surplus from previous year	65,653	65,653	27,306	34,882	-46.9
Total Revenue	$525,493	$532,959	$507,067	$506,636	- 3.6
Expenditure					
Operating expenses	$325,301	$299,858	$307,765	$308,468	- 5.2
Fiscal services	200,192	198,219	199,302	198,168	- 1.0
Total Expenditure	$525,493	$498,077	$507,067	$506,636	- 3.6
Surplus carried to following year		$ 34,882			

ELECTORAL AREA FUNCTIONS

Allocated to all Electoral Areas

Election and Enumeration Expenses

Purpose

The Regional District, under the Municipal Act, is required to prepare the voters lists for the Electoral Areas each year, including updating and revising the lists, and to undertake the holding of elections for Electoral Area Directors and Islands Trustees.

Activities or Level of Service

Enumeration of voters may be carried out on a house-to-house basis in more settled areas although this is usually waived by Board resolution. Deputy Registration Officers are appointed to accept registrations in the Electoral Areas. Expenses include advertising as required under the Municipal Act.

The Court of Revision, appointed by the Board, certifies the voters lists for use in elections of Electoral Areas Directors, Islands Trustees and School Trustees.

Elections are held every three years for Directors in the three Electoral Areas and for Islands Trustees in Electoral Area "C" and part of Electoral Area "B". Expenses include staffing the polls (using mainly temporary help), rentals of school facilities and equipment, printing of forms and ballots, mileage and some travel costs. Advertising expenses are incurred as a result of the statutory requirement to publish notices in the local press.

In 1987 considerable staff time was spent in conducting two referenda in the Anmore and Ioco/Sunnyside areas of Electoral Area "B" and, as a result, in the conducting of an election for Mayor and Council in the Village of Anmore. Both of these activities were undertaken at the request of the Minister of Municipal Affairs, and the Province assumed responsibility for all directly related expenses.

U.B.C.M. and Other Expenses

Purpose

This account covers expenses relating to participation by Electoral Area Directors in the U.B.C.M., including membership dues and registration.

GREATER VANCOUVER REGIONAL DISTRICT

Electoral Area Functions
Allocated to All Electoral Areas
Revenue and Expenditure Budget
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
Tax requisitions	$22,078	$22,078	$ 6,710	$ 7,700
Recoveries		4,000	5,000	5,000
Surplus from previous year	2,912	2,912	9,681	12,906
Total Revenue	$24,990	$28,990	$21,391	$25,606
Expenditure				
Election and enumeration expenses				
Allocated from Secretariat	$ 3,390	$ 4,161	$ 7,291	$11,506
Other services	11,600	9,473	6,600	6,600
Materials & supplies	3,000	635	500	500
Temporary help	5,000		5,000	5,000
	22,990	14,269	19,391	23,606
U.B.C.M. & other expenses	2,000	1,815	2,000	2,000
Total Expenditure	$24,990	$16,084	$21,391	$25,606
Surplus carried to following year		$12,906		

ELECTORAL AREA FUNCTIONS

General Expenses - Electoral Area "A"

Purpose

To provide funds for expenditures on minor works and for information mailing initiated by the Area Directors.

Activities or Level of Service

General expenses are specifically provided for under Supplementary Letters Patent to permit Directors to have expenditures incurred in their area in respect to minor works such as garbage bins for beaches, bus shelters, rest benches and related purposes as well as providing residents with information letters and mailings.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
Tax requisitions	$ 3,791	$ 3,791	$ 300	$ 177
Surplus/(Deficit) from previous year	(1,291)	(1,291)	2,200	2,323
Total Revenue	$ 2,500	$ 2,500	$ 2,500	$ 2,500
Expenditure				
General expenses	$ 2,500	$ 177	$ 2,500	$ 2,500
Surplus carried to following year		$ 2,323		

ELECTORAL AREA FUNCTIONS

Electoral Area "B" Advisory Planning Commission

Purpose

Under Section 955 of the Municipal Act, the Regional District may establish Advisory Planning Commissions (A.P.C.'s) in the Electoral Areas.

Activities or Level of Service

The APC provides local input into the local planning function for which the Board is responsible in Electoral Area "B". In 1988 it is expected that the principal area of involvement will comprise input into the changes to policies and regulations which will be required as a result of the incorporation of Anmore.

Local Planning - Electoral Area "B"

Purpose

To provide local planning services to Electoral Area "B".

Activities or Level of Service

In 1988 it is expected that activities will comprise amending policies and regulations to account for the incorporation of Anmore.

GREATER VANCOUVER REGIONAL DISTRICT

Electoral Area Functions
Electoral Area "B"
Revenue & Expenditure Budget
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
Tax requisitions	$50,579	$50,579	$11,115	$13,259
Surplus from previous year	(6,879)	(6,879)	2,387	243
Total Revenue	$43,700	$43,700	$13,502	$13,502
Expenditure				
Advisory Planning Commission	$ 1,700	$ 1,757	$ 2,502	$ 2,502
Planning - Local	42,000	41,700	11,000	11,000
Total Expenditure	$43,700	$43,457	$13,502	$13,502
Surplus carried to following year		$ 243		

ELECTORAL AREA FUNCTIONS

Electoral Area "B" Administration

Purpose

To provide for the general administration of Electoral Area matters in Electoral Area "B".

Activities or Level of Service

Activities include liaison with and staff support to the Area Director and the Electoral Areas Committee; provision of information (other than planning) to the public on request; administration of the Board of Variance; and budget preparation, together with routine guidance of community development through administration of regulatory bylaws and responses to senior government referrals.

General Expenses - Electoral Area "B"

Purpose

To provide funds for expenditures on minor works and for information mailing initiated by the Area Directors.

Activities or Level of Service

General expenses are specifically provided for under Supplementary Letters Patent to permit Directors to have expenditures incurred in their area in respect to minor works such as garbage bins for beaches, bus shelters, rest benches and related purposes as well as providing residents with information letters and mailings.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
Tax requisitions	$12,067	$12,067	$27,544	$28,890
Surplus from previous year	1,083	1,083	1,473	127
Total Revenue	$13,150	$13,150	$29,017	$29,017
Expenditure				
Administration				
Salaries & employee benefits	$ 1,850	$ 1,714	$19,255	$19,255
Consultants	7,000	5,350		
Other Services	1,800	2,975	7,262	7,262
	10,650	10,039	26,517	26,517
General Expenses	2,500	2,984	2,500	2,500
Total Expenditure	$13,150	$13,023	$29,017	$29,017
Surplus carried to following year		$ 127		

ELECTORAL AREA FUNCTIONS

Bowen Island Garbage Removal

Purpose

A Specified Area was established on Bowen Island twelve years ago for the purposes of providing a garbage pickup service and for the disposal of that garbage. A uniform parcel tax on developed residential property has been established to pay all costs for this service.

Activities or Level of Service

The GVRD contracts for the pickup and disposal service for garbage with a private contractor. The service for 1988 is to be provided by the same contractor that handled the service in 1987, as his performance has proven satisfactory during the past year and the contract is valid for the additional year.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
Tax requisitions	$71,322	$71,319	$69,600	$71,027
Surplus/(Deficit) from previous year	978	978	1,200	1,873
Total Revenue	$72,300	$72,297	$70,800	$72,900
Expenditure				
Contract services	$65,200	$65,201	$65,200	$67,300
Other services	7,100	5,223	5,600	5,600
Total Expenditure	$72,300	$70,424	$70,800	$72,900
Surplus carried to following year		$ 1,873		

ELECTORAL AREA FUNCTIONS

Electoral Areas Building Inspection

Purpose

To provide building inspection services to Electoral Areas "B" and "C".

Activities or Level of Service

Building inspection services have been provided on site on two days a week for Bowen Island and on one afternoon a week in Electoral Area "B". The office hours for the inspector have been Monday mornings and on Fridays. Other times, messages are taken for return telephone calls.

Twenty-five hours a week has been allowed for the Building Inspector's time. The Building Inspector has been on a contract basis for the past four years. With the incorporation of Anmore and the annexation of Ioco by Port Moody, the area and the tax base for this function are considerably reduced. Accordingly, separate contract services are proposed for Electoral Areas "B" and "C", and reduced service will be provided.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
Tax requisitions	$27,817	$27,815	$ 7,160	$11,704
Building inspection fees & other revenue	10,000	13,198	10,000	10,000
Surplus from previous year	10,223	10,223	2,313	(2,231)
Total Revenue	$48,040	$51,236	$19,473	$19,473
Expenditure				
Salaries & employee benefits	$ 400	$ 17	$ 383	
Board vehicles	6,600	7,176		
Consultants	30,000	32,100	10,000	
Other services	5,690	6,376	4,890	
Building rental allocated	4,350	4,549	1,200	
Legal	1,000	3,249	3,000	
Total Expenditure	$48,040	$53,467	$19,473	$19,473
(Deficit) carried to following year		$(2,231)		

ELECTORAL AREA FUNCTIONS

Electoral Area "C" Administration

Purpose

To provide for the general administration of electoral area matters on Bowen Island.

Activities or Level of Service

General administration includes liaison with the Area Director, providing information to the public on request, administering the Islands Trust Zoning Bylaw and various other matters mainly related to property development.

This function will be carried out by an Electoral Areas Administrator, appointed on contract for a two-year period. The cost of this official will be shared between Electoral Areas "B" and "C". The budget for this function also includes secretarial services supplied by Development Services and reception services by Park Department.

Electoral Area "C" Noise By-law

Purpose

To ensure that residents of Electoral Area "C" are free of objectionable noise and to administer By-law 519, a by-law for the regulation of community noise in Electoral Area "C".

Activities or Level of Service

A Bylaw for the regulation of community noise was finalized in June of 1985 and is enforced by the R.C.M.P. The 1988 Budget allows for administrative costs and legal fees.

ELECTORAL AREA FUNCTIONS

Electoral Area "C" Dog Control By-law

Purpose

After an attempt at controlling dogs by enforcement of the Wildlife Act it was decided a more effective solution would be through use of a local bylaw. Supplementary Letters Patent were issued and a Bylaw "to regulate the keeping of dogs...on Bowen Island" received approval in May of 1985. The by-law is being amended to include additional regulations for the control of vicious dogs.

Activities or Level of Service

An agreement has been entered into with SPCA to provide for an "on-call" service to pick up dogs running at large, as well as a pound service.

The budget provides for paying the SPCA for their service and for an amount for administrative time and possible legal costs.

Bowen Island Recreation Commission

Purpose

In November 1974, Supplementary Letters Patent were issued, for the function of recreational programs for Electoral Area "C".

Under this authority GVRD established the Electoral Area "C" Recreation Commission in January 1975, with power to organize and conduct a recreational program.

Activities or Level of Service

The Recreation Commission has drawn up an agreement with a co-ordinator to develop and operate the recreational program. A monthly fee for service is paid to the co-ordinator.

The major part of the program involves classes held at the Community School/Recreation Centre. Fees charged for these classes cover the costs of instructors, materials, etc. These fees cover the instructional costs only and are not included in this budget.

ELECTORAL AREA FUNCTIONS

Bowen Island Public Library Association - Grant

Purpose

To provide a grant under Sections 770(3), 770(4) and 791(1) of the Municipal Act for the support of the Bowen Island Public Library Association's library operations in Electoral Area "C".

Activities or Level of Service

The above association has been created under the Library Act to take over the existing Reading Centre. A vote was taken in 1985 to establish a Specified Area for Library Services but the legality of funding this activity has been questioned. Until the legal concerns are removed by legislation, the Regional District can support the library operation by a grant but that support is limited by statute to $.10 for one thousand dollars of assessed values. In 1987 the library was relocated from the Community School Recreation Centre to the "Union Steamship" building under a one-year rental agreement from the GVRD Parks Department.

General Expenses - Electoral Area "C"

Purpose

To provide funds for expenditures on minor works and for information mailing initiated by the Area Directors.

Activities or Level of Service

General expenses are specifically provided for under Supplementary Letters Patent to permit Directors to have expenditures incurred in their area in respect to minor works such as garbage bins for beaches, bus shelters, rest benches and related purposes as well as providing residents with information letters and mailings.

GREATER VANCOUVER REGIONAL DISTRICT

Electoral Area Functions
Allocated to Electoral Area "C"
Revenue and Expenditure Budget
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
Tax requisitions				
Administration	$23,764	$23,764	$46,351	$49,402
Noise Control	(1,400)	(1,400)	(2)	585
Dog Control	2,279	2,279	3,298	4,791
Recreation Commission	24,013	24,013	20,910	18,918
Public Library Assoc.	11,000	11,000	10,958	10,958
General Expenses	2,476	2,476	1,830	1,657
	62,132	62,132	83,345	86,311
Surplus/(Deficit) from previous year				
Administration	(7,064)	(7,064)	(3,235)	(6,286)
Noise Control	2,330	2,330	930	343
Dog Control	3,351	3,351	2,830	1,337
Recreation Commission	987	987	3,940	5,932
Public Library Assoc.			42	42
General Expenses	24	24	670	843
	(372)	(372)	5,177	2,211
Total Revenue	$61,760	$61,760	$88,522	$88,522
Expenditure				
Administration				
Salaries & employee benefits	$ 3,400	$ 5,652	$45,623	$45,623
Consultants	7,500	6,148		
Legal	500	4,182	1,500	1,500
Other services	3,550	5,174	3,993	3,993
Rent	1,750	1,830	5,000	5,000
Recoveries			(13,000)	(13,000)
	16,700	22,986	43,116	43,116
Noise Control	930	587	928	928
Dog Control	5,630	4,293	6,128	6,128
Recreation Commission	25,000	19,068	24,850	24,850
Grant to Bowen Island Public Library Assoc.	11,000	10,958	11,000	11,000
General Expenses	2,500	1,657	2,500	2,500
Total Expenditure	$61,760	$59,549	$88,522	$88,522
Surplus/(Deficit) carried to following year:				
Administration		$(6,286)		
Noise Control		343		
Dog Control		1,337		
Recreation Commission		5,932		
Public Library Assoc.		42		
General Expenses		843		
		$ 2,211		

ELECTORAL AREA FUNCTIONS

Cove Bay Public Utility - Specified Area

Purpose

To pay for the capital costs of reconstruction and upgrading of a water supply and distribution system for the specified area.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
Tax Requisitions	$ 87,259	$ 87,532	$146,432	$136,380
Surplus/(Deficit) from previous year	48,241	48,241	(3,663)	777
Total Revenue	$135,500	$135,773	$142,769	$137,157
Expenditure				
Debt Charges	$129,339	$129,340	$129,339	$129,339
Other Services	6,161	5,656	13,430	7,818
Total Expenditure	$135,500	$134,996	$142,769	$137,157
Surplus carried to following year		$ 777		

ELECTORAL AREA FUNCTIONS

Fire Regulations - Defined Area, Electoral Area "B"

Purpose

By Supplementary Letters Patent issued in January 1980, the GVRD was granted the power to enact Fire Regulations in the Village of Belcarra and the Defined Portion of Electoral Area "B". Amendments to the letters patent will be required to reflect the restructuring of local government within the subject area.

Activities or Level of Service

Bylaw #352 establishes the regulations and provides for the issuance of burning permits. The Bylaw is administered by members of the Sasamat Volunteer Fire Department, who issue permits. Enforcement is by the RCMP.

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
Tax requisitions	$ (555)	$(555)	$	$ 80
Surplus from previous year	855	855	300	220
Total Revenue	$ 300	$ 300	$ 300	$ 300
Expenditure				
Administration	$ 300	$ 80	$ 300	$ 300
Total Expenditure	$ 300	$ 80	$ 300	$ 300
Surplus carried to following year		$ 220		

ELECTORAL AREA FUNCTIONS

Sasamat Volunteer Fire Department

Purpose

Through Supplementary Letters Patent, the GVRD established the Sasamat Volunteer Fire Department (SVFD) to provide Fire Protection and Accident Emergency service to the Village of Belcarra and a Defined Portion of Electoral Area "B". This Defined Portion includes the area to be incorporated as the new Village of Anmore and the area annexed to Port Moody (Ioco). Amendments will be required to the Letters Patent and the authorization by-law to reflect the restructuring of local government within the subject area. This has been defined in the memorandum of agreement between Port Moody, the Electoral Area "B" Director and the Deputy Minister of Municipal Affairs.

Activities or Level of Service

The SVFD comprises 28 volunteers, 2 firehalls (one in Belcarra and one in Anmore), 2 tanker trucks, 1 pumper truck and 1 rescue-and-safety van. The Department responds to approximately 35 to 40 call-outs per year, of which roughly 60% are fire calls and 40% are motor vehicle related accidents.

GREATER VANCOUVER REGIONAL DISTRICT

Sasamat Volunteer Fire Department
Revenue & Expenditure Budget
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
Tax requisitions	$82,507	$82,507	$83,172	$73,563
Surplus from previous year	8,893	8,893	4,908	14,517
Total Revenue	$91,400	$91,400	$88,080	$88,080
Expenditure				
Administration	$ 6,600	$ 1,081	$ 6,700	$ 6,700
Equipment Replacement & Maintenance	16,600	16,864	19,700	19,700
Communications	2,500	2,404	2,500	2,500
Fire Hall Operations	7,900	6,116	6,330	6,330
Insurance	4,000	3,436	3,500	3,500
Volunteer Expenses	10,500	5,535	6,000	6,000
Financial services	4,300	2,505	4,100	4,100
	52,400	37,941	48,830	48,830
Fiscal Services				
Debt Charges	22,400	22,342	22,400	22,400
Contribution to Capital Reserve Fund	16,600	16,600	16,850	16,850
	39,000	38,942	39,250	39,250
Total Expenditure	$91,400	$76,883	$88,080	$88,080
Surplus carried to following year		$14,517		

ELECTORAL AREA FUNCTIONS

Electoral Area "C" - Recreation Services Specified Area

Purpose

To pay for the capital costs of construction of a portion of the Community School/Recreation Centre on Bowen Island used for recreation purposes.

The debt charges for the construction of the Bowen Island Community School are shared between the GVRD and School District 45 (West Vancouver). This budget provides for the GVRD share which is to be charged to Electoral Area "C".

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
Tax requisitions	$30,843	$30,843	$29,383	$27,663
Surplus/(Deficit) from previous year	1,010	1,010	1,330	1,916
Total Revenue	$31,853	$31,853	$30,713	$29,579
Expenditure				
Debt charges				
Principal & interest	$22,753	$22,752	$22,753	$22,753
Foreign exchange premiums	9,100	7,185	7,960	6,826
Total Expenditure	$31,853	$29,937	$30,713	$29,579
Surplus carried to following year		$ 1,916		

"G"

GREATER VANCOUVER REGIONAL DISTRICT

DEVELOPMENT SERVICES
SUMMARY OF INCREASE IN 1988
EXPENDITURES OVER 1987 FINAL BUDGET

1987 Final Budget	$ 830,800
Change in 1988 contract over 1987 contract	39,200
1988 Final Budget	$ 870,000

DEVELOPMENT SERVICES

Long-Term and Ongoing Role

From 1949 to 1969 regional planning was the responsibility of the Lower Mainland Regional Planning Board. When this Board was wound up in 1969, the responsibility for regional planning and for administration of the Official Regional Plan was transferred to the four regional districts in the Lower Mainland as a mandatory function. The G.V.R.D. developed the Livable Region Program in the early 1970's to improve the quality of life in the metropolitan area and in 1980 it updated the Official Regional Plan in partnership with the other regional districts. The Planning function was terminated by an amendment to the Municipal Act in 1983.

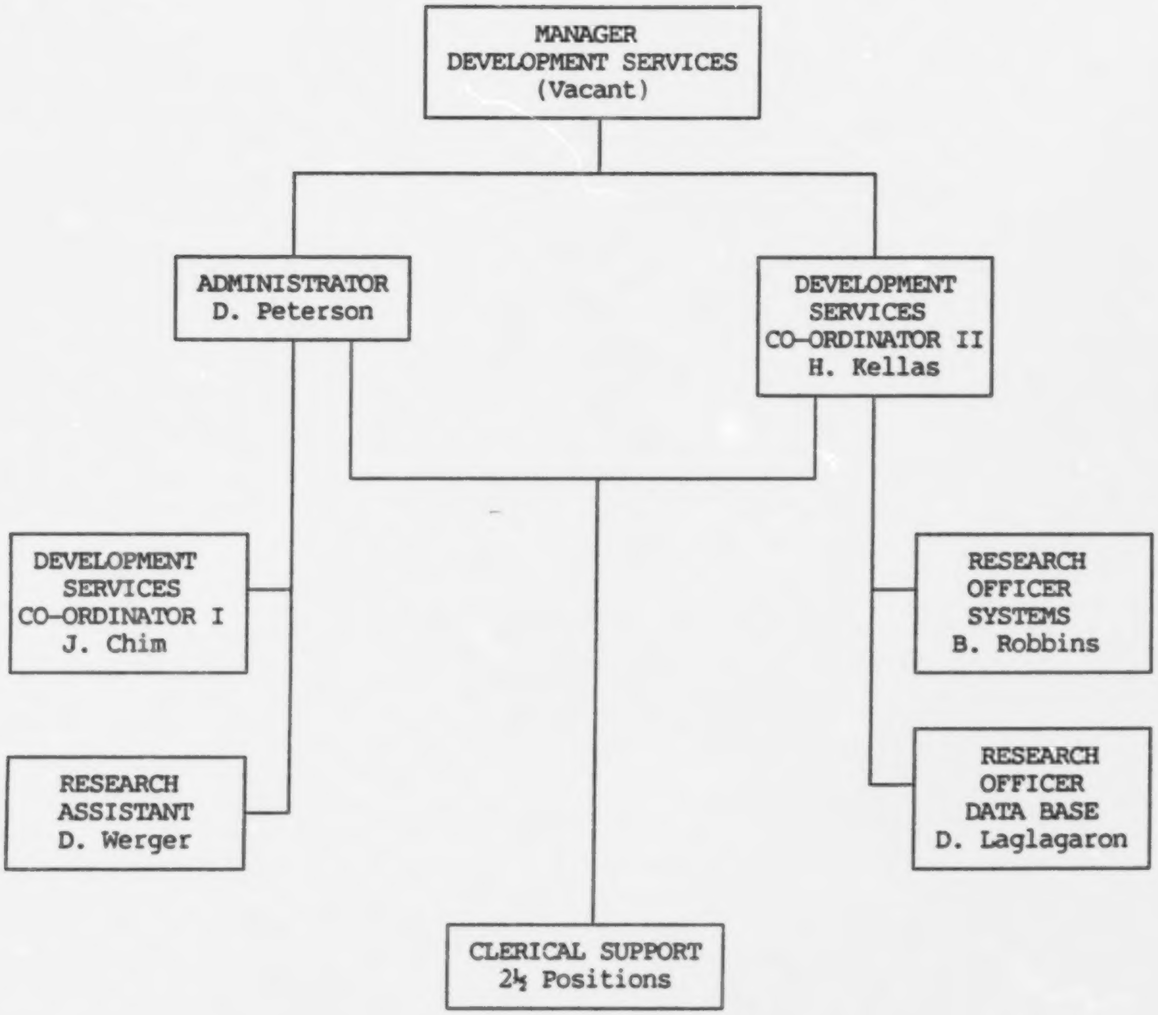
Development Services was established in 1984 as an advisory and information service to the municipalities with its purpose defined entirely by them, funded by five-year agreements with the participating members under authority of Section 770(2) of the Municipal Act.

Its objective is to provide the municipalities with information, strategies and co-ordination services necessary to the efficient and economic development of the region. It provides development information and forecasting services to the municipalities and assists them in dealing with regional development problems through its regional strategy and policy analysis service.

Because this service is financed through legal agreements with participating municipalities which establish the work program and budget, the following material is presented for information only.

DEVELOPMENT SERVICES

Departmental Organization Chart


MANAGER
DEVELOPMENT SERVICES
(Vacant)
ADMINISTRATOR
D. Peterson
DEVELOPMENT SERVICES CO-ORDINATOR II
H. Kellas
DEVELOPMENT SERVICES CO-ORDINATOR I
J. Chim
RESEARCH ASSISTANT
D. Werger
RESEARCH OFFICER SYSTEMS
B. Robbins
RESEARCH OFFICER DATA BASE
D. Laglagaron
CLERICAL SUPPORT
2½ Positions

Telephone Operator/Receptionist shared with Parks

	APPROVED	ACTUAL
December 31, 1987	8.5	8.5
1988 changes budgeted		
December 31, 1988	8.5	

GREATER VANCOUVER REGIONAL DISTRICT

Development Services
Revenue and Expenditure Budget
Year ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Revenue				
Recoveries from member municipalities under Development Services Agreements	$830,800	$830,763	$870,000	$870,000
Expenditure				
Regional Data Base and Forecasts				
Acquire Data & Manage Data Base	80,000	98,360	50,000	50,000
Prepare Demographic Forecasts	20,000	9,283	20,000	20,000
Respond to Data Requests	35,000	24,289	35,000	35,000
Revise LUIS Software	25,000	27,528	35,000	35,000
	160,000	159,460	140,000	140,000
Transportation Data Bases, Modelling and Studies				
Identify Roadway Needs	28,500	1,305		
Transportation Workshop	10,000	18,426	80,000	
Establish a Regional Roadway Network for Planning Purposes	40,000	1,335		80,000
Respond to Municipal & Public Requests	20,000	41,786	50,000	
Utilization of Model, Data	36,500	92,430		50,000
Goods Movement Studies	25,000	25,250	40,000	40,000
	160,000	180,532	170,000	170,000
Regional Development Strategies				
Work on Detailing Regional Development Goals & Strategies	76,200	56,038	80,000	80,000
Employment and Enterprise Growth Initiatives	20,000	25,623	70,000	70,000
Monitor Regional Trends	40,000	38,024	40,000	40,000
Minor Studies		8,404		
	136,200	128,089	190,000	190,000
Management and Support Services				
Program administration	114,300	115,827	100,000	100,000
Office expenses, rent, computer services, share of GVRD central administrative services	260,300	246,855	270,000	270,000
	374,600	362,682	370,000	370,000
Total Expenditure	$830,800	$830,763	$870,000	$870,000

GREATER VANCOUVER REGIONAL DISTRICT

Development Services
1988 Budget
by Object of Expenditure

Expenditure	1987 Final Budget	1987 Actual	1988 Provisional Budget	1988 Final Budget
Salaries & employee benefits	$380,600	$384,729	$354,500	
Mileage, travel and board vehicles	10,800	6,602	6,000	
Legal	1,000	1,751	1,000	
Consultants	93,600	102,204	168,200	
Materials, supplies & other services	63,600	81,835	66,100	
Duplicating services	13,500	14,486	14,000	
Rent	97,200	72,319	81,100	
Postage	5,100	3,535	5,300	
Telephone	9,200	11,498	7,600	
Equipment replacement & maintenance	41,200	42,782	42,800	
Publications	3,700	4,205	3,800	
Central administrative services	22,600	23,000	19,600	
Computer services	81,900	81,900	94,600	
Corporate Services allocated	6,800	6,863	5,400	
	830,800	837,709	870,000	870,000
Recoveries		(6,946)		
Total Expenditure	$830,800	$830,763	$870,000	$870,000

1988 PROGRAM AND BUDGET
FOR DEVELOPMENT SERVICES

1. REGIONAL DATA BASE AND FORECASTS

1987 Budget $160,000 1988 Budget $140,000

Program 1.1. Acquire Data and Manage Data Base

1987 Budget $80,000 1988 Budget $50,000

The maintenance and management of the land use, demographic and economic data system is an on-going responsibility. This program element also covers the costs to obtain and mount new data, including the purchase of Census data on behalf of all municipalities. The program's purposes for 1988 are:

- to manage the Development Services computer equipment and liaise with the GVRD computer services group.
- to acquire new data including 1986 Census data released during 1988 and special tabulations, commercial/industrial floorspace data, and economic monitoring data.
- to update demographic, land use, and economic data bases. This includes maintaining the commercial/industrial floorspace monitoring system from building development records, updating the commercial/industrial inventory with the new assessment roll, and inputting monthly data on housing starts, migration, employment, labour force, etc.
- to liaise with municipal data base and information system staff.

Program 1.2. Prepare Demographic and Economic Forecasts

1987 Budget $20,000 1988 Budget $20,000

Population, labour force and employment forecasts are the foundation upon which regional and municipal plans and strategies for physical and economic development are based. This program is linked to the work in 2.1, 3.1, 3.2 and is essential to carrying out those programs. Updated regional population and households forecasts will be prepared during the latter half of 1987. Initial work will also be undertaken in cooperation with municipal staff on 1987 municipal forecasts.

During 1988, the release of Census labour force data will permit the regional and municipal labour force forecasts casts to be updated. Work will be undertaken to update the traffic zone forecasts of population, households, labour force and employment used by the GVRD Transportation Model and for other purposes.

Program 1.3. Respond to Municipal Data Requests

1987 Budget $35,000 1988 Budget $35,000

This program is part of the Departmental base. Its purpose for 1988 is to permit continued response to requests by municipalities, GVRD departments, other governments and the private sector for information from the Development Services demographic, land use and economic monitoring data bases.

Program 1.4. Revise Geographic Information System Software

1987 Budget $25,000 1988 Budget $35,000

During 1987 it is anticipated that a decision will be made to replace the Land Use Information System (LUIS) software with a new geographic information system package. A major conversion of LUIS would be required in any case to run LUIS on GVRD's new (VMS-based) computers, so it is preferable to replace LUIS with new software that is faster, more powerful and more easily addressed by municipal clients. The purposes of this program are:

- to contribute towards paying for the software package. The cost of the package would be spread over five years.
- to provide resources for installing the system and training operators.

2. TRANSPORTATION DATA BASES, MODELLING AND STUDIES

1987 Budget $160,000	1988 Budget $170,000

The following accomplishments are slated for 1987:

- calibration of AM-peak and PM-peak models to 1985 conditions.
- application of calibrated models and incorporation of updated demographic projections in analysis of future transportation demands.
- development of screenline data bases and O-D survey data bases which are addressable by municipalities in support of their particular research or analysis.
- workshop to foster agreement on regional transportation strategy and specific improvements to be pursued.
- assistance to municipalities in establishing sub-area modelling procedures.
- preparation of survey design for a goods movement or trucking survey to be pursued in 1988.

One objective for 1988 will be to apply calibrated models in the ranking of key projects of regional significance. A second objective will be to continue to work with municipalities, in the application of the model to their particular projects or studies. A third objective will be to undertake a survey of trucking or goods movement to complete the Origin-Destination survey.

Program 2.1. Evaluation of Transportation Needs and Strategies

1987 Budget $78,500	1988 Budget $80,000

The 1987 program and budget identified three program elements (the former elements 2.1, 2.2 and 2.3) related to the application of the transportation model to regional and municipal transportation planning projects. At the direction of the advisory committees, these three program elements have been rolled into one.

The objective for 1988 is to apply the transportation model in the ranking of key capital improvements of regional significance, and in the assessment of transportation strategy options as part of the exercise of updating the Livable Region Program. The first steps to be undertaken in 1987 are to assemble available information on the major capital improvements that should be considered (i.e., their costs, their configuration, other related improvements that would also be required in conjunction with each major project, etc.). The second step is to achieve consensus with municipal and provincial authorities on the evaluation procedures and criteria. Following approval of the study's framework, the evaluation of candidate projects and alternative strategies will proceed through the remainder of 1987 and 1988. This program is linked to 3.1 and relies on data from 1.2. A task force-type exercise is anticipated, involving extensive participation of and consultation among municipal, regional and provincial staff. Periodic reporting out of the project's progress will take place, including in the form of workshops, seminars and discussion sessions.

Program 2.2. Development and Maintenance of Transportation Model and Data Bases
1987 Budget $56,500 1988 Budget $50,000

The 1987 program and budget identified two program elements (2.4 and 2.5) related to the development and maintenance of the transportation model and data bases. At the direction of the advisory committees, these two program elements have been rolled into one.

This program covers the assistance provided by GVRD staff to municipalities or their consultants in setting up and executing analysis using the model. It also covers the on-going maintenance and updating of the model and data bases. A significant increase in the application of the model by municipalities is occurring and is expected to continue in 1988.

This program element also covers the efforts to calibrate and refine the transportation model using the 1985 Origin-Destination Survey data. As noted, the objectives for 1987 are to complete model calibrations for AM-peak and PM-peak conditions and to assist municipalities in establishing sub-area modelling procedures. Further work is contemplated in 1988 to improve the model's sensitivity to factors affecting modal choice (the issues of auto and transit captivity, factors affecting car occupancy, the impact of kiss-and-ride and park-and-ride facilities).

A special exercise is planned for 1988 to validate the model's calibrations. Traffic counts for 1987 that are collected by the municipalities, BC Transit and MOTH will be compiled at GVRD. Then, the models that are calibrated using the 1985 O-D data will be used to "forecast" 1987 traffic volumes. The comparison between the model's 1987 "forecast" and the actual 1987 volumes will provide a basis for adjusting the model's specifications.

Program 2.3. Special Project: Truck/Goods Movement Survey
1987 Budget $25,000 1988 Budget $40,000

The completion of a goods movement or truck survey is the final leg of the origin-destination survey embarked upon in 1985. In 1987, the objectives, scope, data needs, survey procedure and estimated costs will be brought forward for approval. Better baseline data and forecasts of trucking or goods movement will assist roadway planning in general and in particular may guide municipal and provincial initiatives in pavement management and route designation and improvement. A special focus of the survey design will be to identify the policy and strategy-related issues - notably economic development strategy - for which better information on truck or goods movements is required.

The allowance of $40,000 should be reviewed upon completion of the survey design and in light of data needs and funding opportunities that may come forward from other sources. Alternatively, a means of phasing the survey over two or more years may be explored.

3. REGIONAL DEVELOPMENT STRATEGY

1987 Budget $136,200 1988 Budget $190,000

Program 3.1. Regional Development Goals and Strategies

1987 Budget $76,200 1988 Budget $80,000

During 1987, a draft contemporary statement of the Livable Region Strategy will be prepared and discussed in a round of municipal meetings and at a Policy Coordinating Committee seminar. This project draws upon the past and current efforts of Development Services and the intermunicipal committees of planners in the areas of demographic, economic and transportation analysis and forecasting. The purpose of the program in 1988 is:

- to undertake additional research arising from questions raised during discussions with the municipalities and Policy Coordinating Committee.
- to complete any refinements to the strategy following discussions.
- to prepare a final draft statement of the Livable Region Strategy.
- to seek endorsement of the Strategy by municipal councils.
- to prepare a strategy document.

This program is dependent on data from 1.2 and on 2.1 for transportation analyses.

Program 3.2. Work on Monitoring Urban Development Trends

1987 Budget $40,000 1988 Budget $40,000

The purpose of this program is to research, prepare and disseminate information about regional development trends and issues. This includes the quarterly economic monitoring bulletins, technical memoranda consolidating updated information from Department data bases, and bulletins on aspects of regional growth and change.

Program 3.3. Employment and Enterprise Growth

1987 Budget $20,000 1988 Budget $70,000

Development Services provides administrative and secretariat support for the initiatives in economic development that are led by the Policy Coordinating Committee. Staff also prepare or contract for special research, the preparation of discussion papers and publications etc. in support of intermunicipal economic development initiatives.

3.3.1 Program Development 1988 Budget $30,000

The purpose of this program is to develop and refine intermunicipal approaches to economic development. This includes:

- Assistance in the development and administration of the program of the Policy Coordinating Committee's Economic Development Subcommittee.
- Participation in development of improved interagency coordination on economic development. (This would permit a response to recommendations arising from the economic development coordination study undertaken in 1987.)
- Development and refinement of Policy Coordinating Committee approaches and policies for particular economic sectors. This may involve, for example, work to encourage the renewal of the tourism development strategy for Greater Vancouver which dates from the 1970s.
- Administration of an intermunicipal staff committee of economic development officers or those providing economic development services on behalf of municipalities. (This group currently meets on an informal basis to discuss issues of common concern.)

3.3.2 Intermunicipal Economic Development Projects

1988 Budget $40,000

The purpose of this program is to undertake specific projects which will further the Policy Coordinating Committee's intermunicipal economic development strategy.

The Committee has a large number of topics and issues on which they may wish information and advice. Those currently before the Committee include:

- Vancouver International Airport and related airports management options and their relationship to economic growth.
- Meetings with the Federal MP's on a wide variety of economic issues.
- Data and information in support of the Infrastructure Proposal of the FCM to acquaint local MP's of the benefits of the proposal to the Federal Government.
- Development of the port, including the role of the shipbuilding industry in the future, container movements, other means of encouraging more "spin off" from the port activities.
- Examining what approach should be taken to the role of "import substitution" as an economic initiative, how it can be achieved legally and what impact would result.

4. MANAGEMENT AND SUPPORT SERVICES

1987 Budget $374,600 1988 Budget $370,000

Program 4.1 Administration

1987 Budget $114,300 1988 Budget $100,000

This item provides for aspects of the administration and management of the department and of the Development Services program which cannot be allocated to specific programs. It includes providing services to advisory committees, program development, presentations of a general nature to municipal councils and the Regional Board, reception, general secretarial duties, and budget control.

Program 4.2 Department Overhead

1987 Budget $260,300 1988 Budget $270,000

Development Services charges direct costs against the various program elements noted above; these direct costs include salaries and benefits, consultant assistance as well as various specific purchases or expenses such as data acquisition and report printing. Staff benefits plus allocations to programs for staff costs related to such things as sick leave and statutory holidays amount to approximately 30% of salary costs.

By contrast, various expenses which do not relate directly to programs are accumulated in overhead accounts and are not allocated among the program elements. In 1987, the principal categories of unallocated expenses included:

Rent	37%
Computer Charges	31%
Corporate Allocations for Central Services	11%
Equipment Replacement and Contract Maintenance	16%

With the advice of Finance Department, a 4% increase has been forecast for the Departmental Overhead.

GREATER VANCOUVER REGIONAL DISTRICT

Apportionment of Costs of Development Services for 1988

Basis of Apportionment

1987 assessed values taxable by rate for Regional Hospital District purposes:

	1987		Percent of Total	
Cities:	Assessments	Apportionment	1987	1986
New Westminster	$ 205,844,920	$ 22,366.12	2.57	2.98
North Vancouver	256,249,879	27,842.88	3.20	3.17
Port Coquitlam	121,046,307	13,152.31	1.51	1.47
Port Moody	77,972,565	8,472.13	0.97	1.26
Vancouver	3,362,313,720	365,332.82	42.00	41.48
White Rock	63,020,913	6,847.55	0.79	.74
Districts:				
Burnaby	944,107,555	102,582.19	11.79	12.08
Coquitlam	329,265,846	35,776.44	4.11	3.94
Delta	402,038,257	43,683.55	5.02	5.45
North Vancouver	396,892,453	43,124.42	4.96	4.74
Richmond	766,739,766	83,310.26	9.58	9.93
Surrey	765,557,004	83,181.74	9.56	9.19
West Vancouver	312,405,991	33,944.53	3.90	3.53
Villages:				
Belcarra	3,507,765	381.14	.04	.04
	$8,006,962,941	$870,000.00**	100.00	100.00

**No correction for minor rounding errors

Greater Vancouver Housing Corporation
4330 Kingsway, Burnaby, British Columbia, Canada V5H 4G8
Telephone (604) 432-6300

TO: Board of Directors

FROM: Secretary Treasurer

RE: 1988 Budget

DATE: April 7, 1988

The 1988 Budget for the Greater Vancouver Housing Corporation is presented for your consideration.

1987 Operations

The net income on 1987 rental operations was $120,274 before adjustments compared to a budgeted deficit of $299,705. Rental income amounted to $297,654 more than budget which accounted for most of the improvement in net earnings. Decorating and cleaning costs were $60,177 overexpended, but this was more than offset by a net reduction of $172,312 in other operating costs.

After taking into consideration mortgage assistance adjustments applicable to prior years of $87,195 and transfers to the Rental Subsidy Reserve with respect to projects showing a net income, rental operations resulted in a net deficit of $94,180 compared to a budget deficit of $425,118.

The net income of $29,186 with respect to Section 15 projects was transferred to the replacement reserve, as in earlier years the full 1% of building costs was not provided, and the fund is projected to be depleted by 1991.

1988 Budget

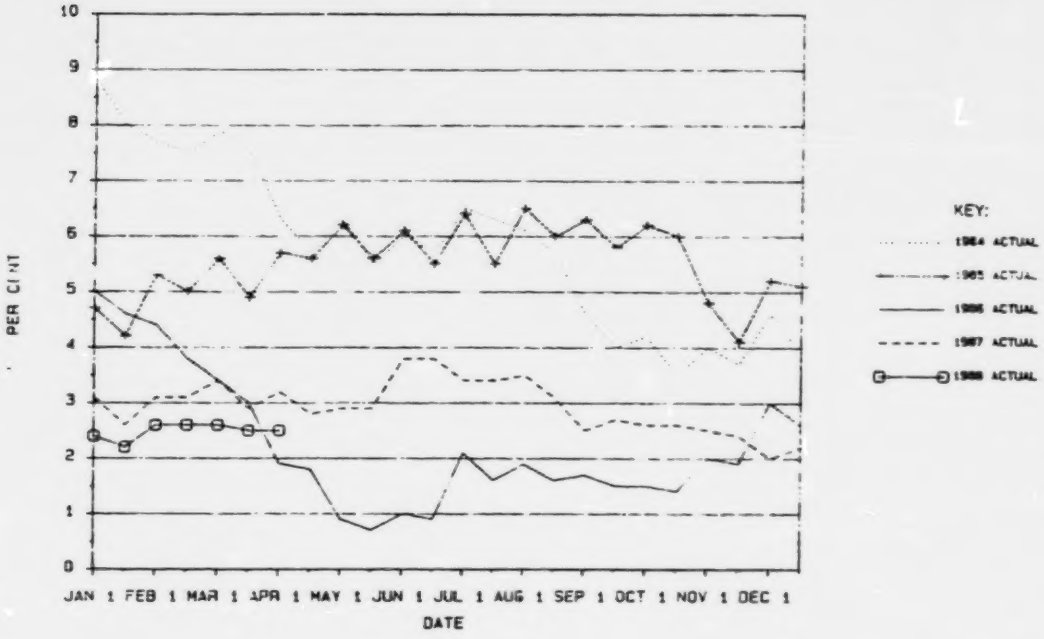
Rents

In consultation with CMHC, rents have been increased. This should increase the total rent potential by $670,433 which is 3.7% over 1987 (excluding Cedarwood Place that went into operation in January 1988).

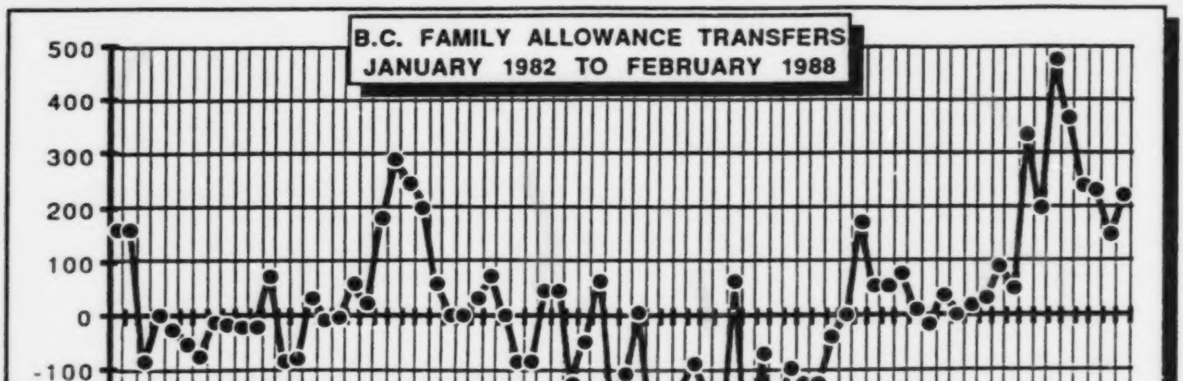
The vacancy rate is forecast at 2.1%. Internal subsidies for Section 56.1 projects are estimated at 4.5% of rent potential.

GREATER VANCOUVER HOUSING CORPORATION

VACANCY RATES



The net B.C. Family Allowance transfers into the province increased dramatically in the second half of 1987 but would appear to have declined in recent months, although the trend remains reasonably positive. Any weakening of this trend would probably result in vacancy rates higher than those forecast.



Operating Expenses

Gardening costs are substantially increased in light of the unfavourable experience with the 1987 gardening contract at the prices bid.

Extraordinary costs (expenditures that are not incurred each year as part of regular operating costs) are projected at $235,800, an increase of $194,768 over 1987 and include the following:

Landscape upgrading at 23 projects	$ 97,800
Fence upgrading at 3 projects	17,000
Parking lot security mesh and gate hardware at Greystone	12,000
Security gate upgrading at 2 projects	6,000
Parking lot security mesh at River Place	10,000
Lighting improvements at 7 projects	6,900
Paving at 2 projects	7,000
Repair and upgrade of refuse enclosures at 2 projects	8,500
Treatment of deck areas to eliminate leaking at Maple Vine	10,000
Furnace repairs at Meridian	10,000
Levelling of 20 brick patios at Meridian	8,000
Other	42,600
	$235,800

Net Rental Operations

The net deficit on rental operations, after providing for required transfers to subsidy reserves on projects with net income, amounts to $157,163. This is basically attributable to the substantial increase in extraordinary items from $41,032 in 1987 to $235,800 in 1988. The Finance Department is concerned with incurring substantial deficits at times when the economy is relatively strong, vacancy rates are low and internal subsidies have been increased. When the economy turns down, which will eventually happen, costs will continue to increase, rents may not be able to increase and those tenants receiving internal subsidies will probably tend to remain. If we cannot break even under present conditions, then deficits could be substantial when the rental market is not as buoyant.

Although the Corporation has a Capital Reserve fund of $4,564,039, this is partially offset by accumulated deficits of $2,159,838. In addition, these reserve funds may be required by 1991 to provide for insufficient replacement reserve funds for Section 15 projects.

Replacement Reserve

The annual contribution to the Replacement Reserve is based on 1% of actual construction costs. Expenditures from the reserve are running less than projected and average interest earnings were 9.1% in 1987. The computer model projecting expenditures required to be paid from this fund indicates the fund will be depleted by 2003 depending on the assumptions made. The Section 15 portion of the fund will be depleted by 1991. Changes in the Replacement Reserve are as follows:

	1987 Actual	1988 Projected
Balance January 1st	$7,105,875	$ 9,103,909
Add: Provided from operations	1,599,354	1,659,900
Interest earned	828,918	960,000
	9,534,147	11,723,809
Less: Expenditures	430,238	729,300
Balance December 31st	$9,103,909	$10,994,509

Rental Subsidy Reserves

Where projects have a net income, $500 per unit is required to be set aside in a rental subsidy reserve for that project only. The balances projected for the Rental Subsidy Reserve in summary, are as follows:

	1987 Actual	1988 Projected
Balance January 1st	$638,841	$794,522
Add: Provided from operations (net)	98,073	32,028
Interest earned	57,608	66,200
Balance December 31st	$794,522	$892,750

Capital Reserve Fund

This fund was originally created from a capital gain on the sale of property. Earnings on the fund are taken into non-rental operations and any net income from non-rental operations is contributed back to the Capital Reserve.

The anticipated changes to this fund are as follows:

	1987 Actual	1988 Projected
Balance January 1st	$4,299,642	$4,564,039
Add: Net contribution from non-rental operations	301,617	276,612
	4,601,259	4,840,651
Less: Transfer to Capital Fund	37,220	
	$4,564,039	$4,840,651

The fund earned income at the rate of 10.9% in 1987.

Accumulated Deficit

The status of this account is as follows:

	1987 Actual	1988 Projected
Balance January 1st	$(2,541,177)	$(2,159,838)
Add: Net deficit for year	(94,180)	(157,163)
Less: Adjustment re reduction of amount owing to CMHC	475,519	
Balance December 31st	$(2,159,838)	$(2,317,001)

Mortgage Assistance

Canada Mortgage & Housing Corporation amended its policy and permitted the offsetting of project deficits against project surpluses in the year they occur. This policy is retroactive to January 1, 1986 and as a result, $475,519 that was recorded as owing to CMHC for 1986 is no longer due and has been transferred to partially offset deficits incurred in that year. As a result, the accumulated net deficit to December 31, 1987 has been reduced to $2,159,838.

Mortgage Financing

A considerable number of mortgages with very high interest rates were refinanced in 1987 at rates between 8% and 9-7/8% on one-year terms. This results in a reduction of CMHC mortgage assistance of $4,210,513. Six mortgages with rates ranging from 13¼% to 17% mature in 1988.

The Finance Department takes the view that interest rates are still in an overall downtrend and anticipates continuing to refinance maturing mortgages on a one-year term for the immediate future.

Changes in Operating Deficit from Preliminary Budget

Preliminary budget deficit		$ 16,252
Add: Increase in internal subsidies	$ 75,000	
Increase in site management	42,591	
		117,591
Deduct: Decrease in gardening		(75,000)
Final budget deficit		$ 58,843

Attach.

D5/28

Appendix 1

GREATER VANCOUVER HOUSING CORPORATION

Rental Operations
Comparison of Projects in Operation
Excluding Downtown Eastside Residences
and Cedarwood Seniors' Project

	Average Monthly Amount Per Unit			% Change
	1986 Actual	1987 Actual	1988 Budget	1988 over 1987
Revenue				
Rents (including subsidies)	$479.94	$485.15	$495.98	+ 2.23
Miscellaneous Income	6.20	6.79	6.31	- 7.07
	$486.14	$491.94	$502.29	+ 2.10
Expenditure				
Advertising	$ 1.14	$ .80	$ 1.05	+ 31.25
Gardening	7.41	6.14	8.98	+ 46.25
Security	1.07	.45	.48	+ 6.67
Garbage Removal	3.04	3.10	3.54	+ 14.19
Other Services & Supplies	3.20	2.89	3.12	+ 7.96
Repairs & Maintenance	19.29	18.23	18.90	+ 3.68
Decorating & Cleaning	19.28	19.01	20.31	+ 6.84
Utilities	18.74	19.01	20.40	+ 7.31
Site Management Costs	24.63	24.57	25.85	+ 5.21
Provision for Doubtful Accounts	2.11	.97	1.89	+ 94.85
Insurance	4.70	5.81	5.91	+ 1.72
Property Taxes & Sewer Rates	55.36	56.81	59.65	+ 5.00
Management Fee	25.00	26.00	27.04	+ 4.00
Total Operating	184.97	183.79	197.12	+ 7.25
Replacement Reserve	44.14	44.14	44.14	+ 0.00
Extraordinary Items	2.72	.94	6.64	+606.38
Net Debt	252.60	255.63	255.90	+ 0.11
	$484.43	$484.50	$503.80	+ 3.98
Net Operating Surplus/(Deficit) before adjustments	$ 1.71	$ 7.44	$ (1.51)	n/a

GREATER VANCOUVER HOUSING CORPORATION

Long-Term and On-going Role

1. To provide a continuing supply of non-profit rental housing for those of low and moderate income.
2. To interpret and utilize the Federal and Provincial Housing assistance and subsidy programs to provide the most effective means of delivering non-profit rental housing.
3. To provide such housing fully in accordance with Regional and Municipal objectives and approval.
4. To continually review design, quality and construction techniques to ensure that optimum capital cost is realized in conjunction with long-term tenant satisfaction.
5. To provide a Property Management function for the housing produced which is practical and efficient, yet has a sensitivity to the concerns of tenants who are on low and moderate income.
6. To maintain, as far as possible, full rental occupancy throughout the portfolio.
7. To collect full rents as they become due and keep bad debts to a minimum.
8. To carefully adhere to pre-planned short, medium and long-run maintenance and preventative maintenance programs.
9. To prepare financially for maintenance programs and to provide for the necessary reserves to achieve this.
10. To continue to research the need for affordable seniors' accommodation and to promote design criteria to meet the special needs of seniors.
11. To continue providing operational management of the Greater Vancouver Housing Corporation stock of housing units which has accumulated since 1976 as follows:

Year	No. of Housing Units Delivered	Cumulative Total
1976	202	202
1977	181	383
1978	-	383
1979	258	641
1980	127	768
1981	335	1,103
1982	1,032	2,135
1983	313	2,448
1984	466	2,914
1985	170	3,084
1986	-	3,084
1987	73	3,157

Long-Term and Ongoing Role (Continued)

Municipality	Completed and Rented
Burnaby	248
Coquitlam	183
Delta	90
New Westminster	142
North Vancouver City	91
Port Coquitlam	313
Port Moody	52
Richmond	514
Surrey	666
Vancouver	858
TOTALS	3,157

1988 Short-Term Objectives

1. To continue to pursue means of acquiring units specific to the needs of seniors by utilizing land-lease agreements with member municipalities.
2. To improve the landscaping at existing projects to meet the Corporation's standards.
3. To implement modest rent increases to meet increasing operating costs and at the same time hold the vacancy rate at a modest level.

Review of Prior Year's Objectives

From a financial standpoint, 1987 was a most successful year. Rental income was up with occupancy rates higher than budgeted. Expenditures were held to an acceptable level, however, landscaping spending was conservative in 1987 and it is intended that additional funds be provided in 1988 to ensure adequate protection and maintenance of existing properties.

Concern has been expressed that a "Post Expo" impact would result in higher vacancies, however, due to other market conditions, e.g. lack of the private market production of rental units, this trend did not materialize.

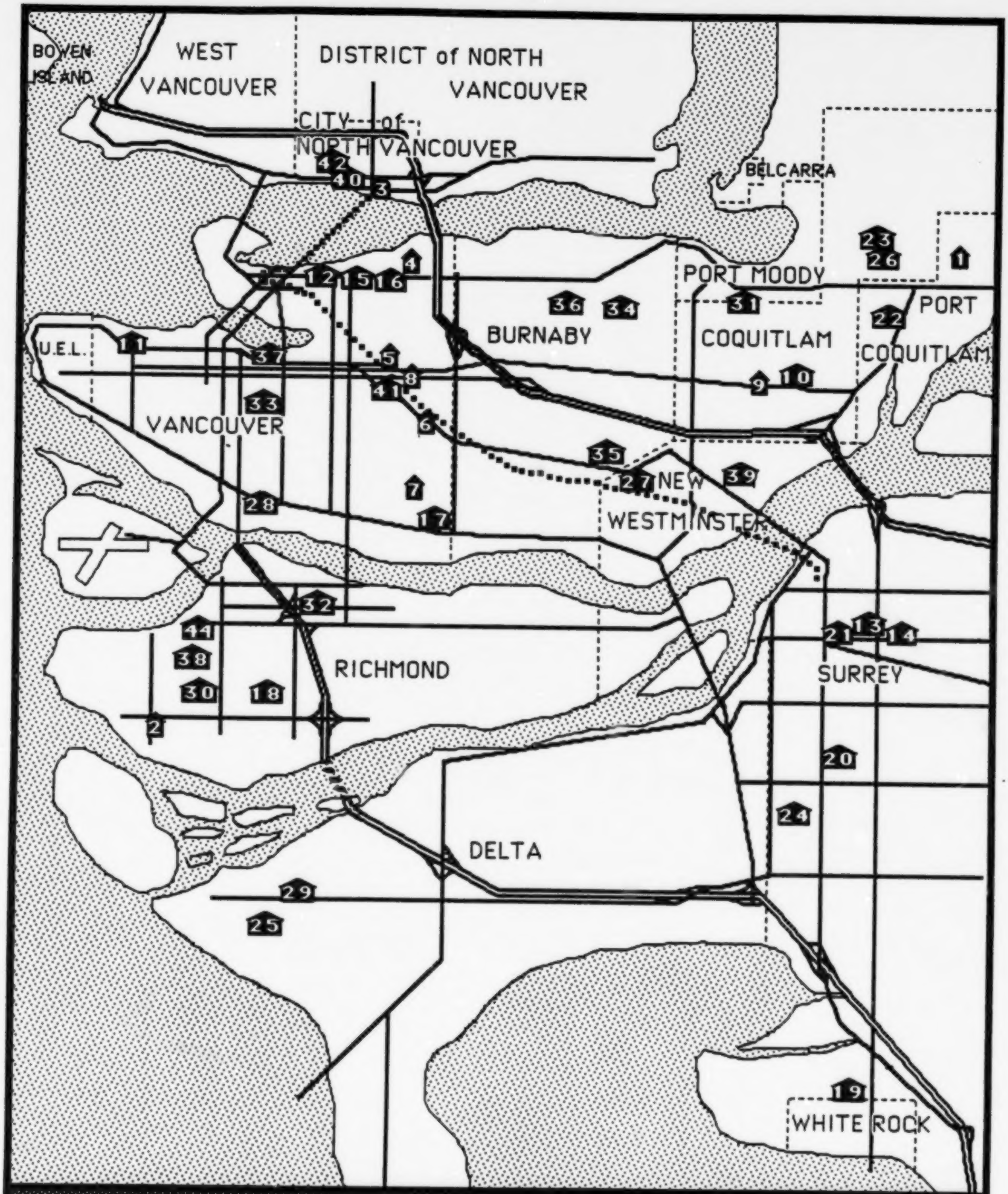
The highlighted success of 1987 was the acceptance by Canada Mortgage and Housing Corporation of the GVHC proposal to financially manage our projects on a portfolio basis. This topic has been ongoing since 1984 and was concluded in September of 1987 with the concept being adopted by the Federal Government on a national basis.

GREATER VANCOUVER HOUSING CORPORATION

Review of Prior Year's Objectives (Continued)

The GVHC also developed and built its first project for seniors located in the Township of Richmond in 1987. This project, Cedarwood Place, was made available for occupancy January, 1988. Applications far exceeded the number of units available. However, after considerable time spent by staff in screening, establishing priorities and conducting personal interviews, the project appears to be well received and certainly fulfills a demonstrated need.

The Board has indicated its desire to continue to provide seniors' housing and the Corporation will be working towards a stronger partnership with member municipalities in acquiring more affordable projects for our seniors.


BOWEN ISLAND
WEST VANCOUVER
DISTRICT of NORTH VANCOUVER
CITY of NORTH VANCOUVER
42
40
3
BELCARRA
23
26
1
4
12
15
16
PORT MOODY
36
34
31
22
PORT COQUITLAM
BURNABY
COQUITLAM
U.E.L.
11
37
5
8
9
10
41
33
VANCOUVER
6
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27
NEW WESTMINSTER
39
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18
2
RICHMOND
21
13
14
SURREY
20
24
DELTA
29
25
19
WHITE ROCK

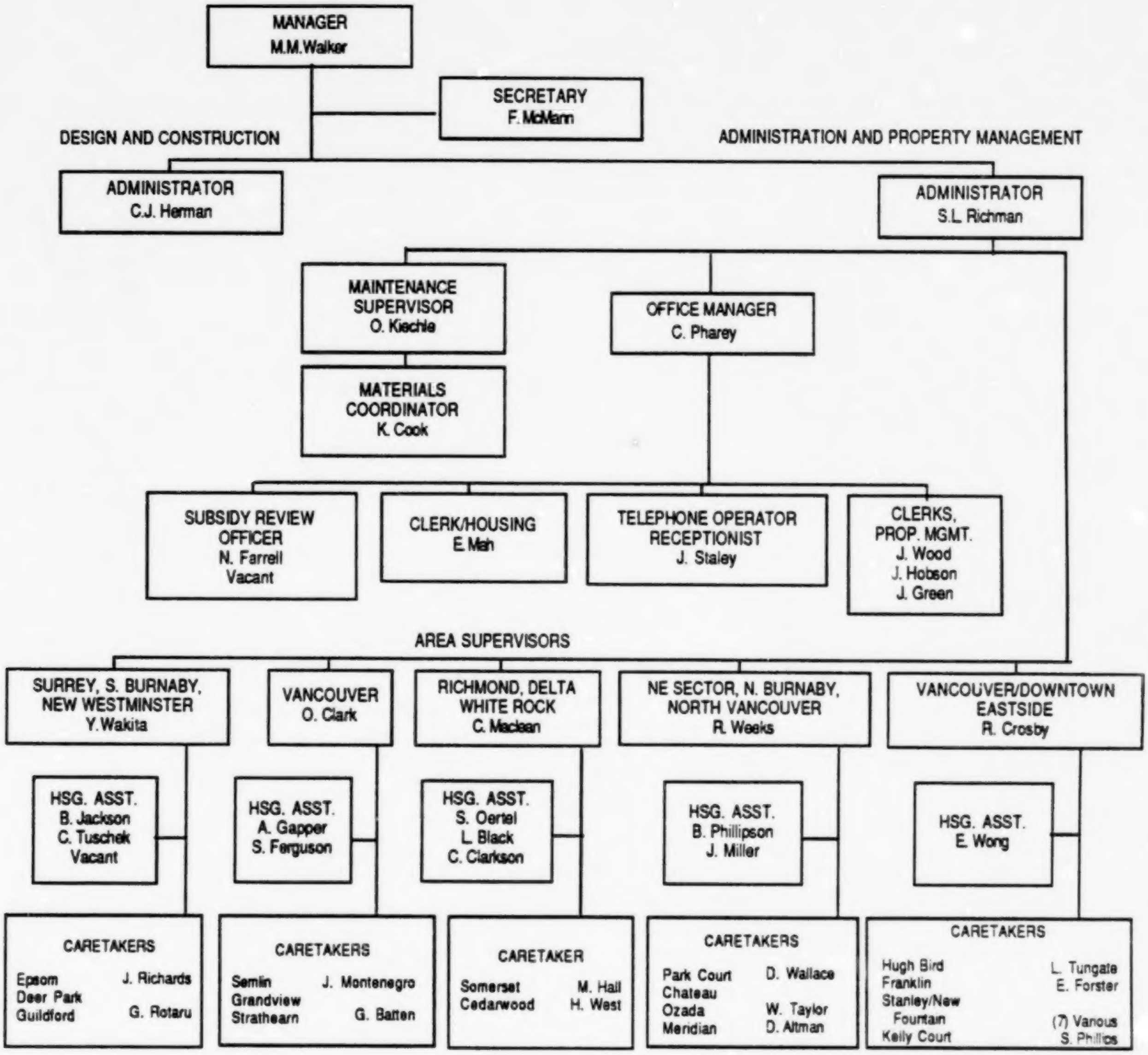
Greater Vancouver Housing Corp.

Map No.	Project Name	Address	Municipality	Units
1	MERIDIAN VILLAGE	3156 Coast Meridian Road	PORT COQUITLAM	202
2	MINATO WEST	4151 Regent Street	RICHMOND	110
3	ST. ANDREWS PLACE	95 ST. Andrews Ave.	NORTH VAN.	15
4	SEMLIN TERRACE	100 Semlin Drive	VANCOUVER	36
5	GRANDVIEW GARDENS	2535 No. Grandview Hwy.	VANCOUVER	20
6	EUCLID SQUARE	3485 Foster Avenue	VANCOUVER	33
7	EARLE ADAMS VILLAGE	7550 Northumberland Ave.	VANCOUVER	105
8	KELLY COURT	2929 Nootka Street	VANCOUVER	45
9	PARK COURT	100 Nelson Street	COQUITLAM	30
10	LE CHATEAU PLACE	312 Schoolhouse Street	COQUITLAM	24
11	HABITAT VILLA	3867 West 2nd Avenue	VANCOUVER	36
12	STANLEY NEW FOUNTAIN	36 Blood Alley	VANCOUVER	103
13	GUILDFORD GLEN	14860-101A Avenue	SURREY	79
14	KINGSTON GARDENS	15385 - 99th Avenue	SURREY	144
	KINGSTON GARDENS IV	15385 - 99th Avenue	SURREY	48
15	HUGH BIRD RESIDENCE	420 E. Cordova Street	VANCOUVER	64
16	FRANKLIN HOUSE	1721 Franklin Street	VANCOUVER	32
17	TIVOLI GARDENS	3501 Naples Way	VANCOUVER	151
18	ADELAIDE COURT	10771 Auburn Drive	RICHMOND	68
19	SOMERSET GARDENS	1821 Southmere Cres. East	SURREY	166
20	EPSOM DOWNS	#38 - 13699-76th Avenue	SURREY	108
21	SUTTON PLACE	13834-102nd Avenue	SURREY	83
22	RIVER PLACE	2466 Gately Drive	PORT COQUITLAM	111
23	OZADA VILLAGE	1205 Pipeline Road	COQUITLAM	61
24	DEER PARK LANE	6717-131st Street	SURREY	31
25	EVERGREEN DOWNS	4600 Evergreen Lane	DELTA	38
26	MALASPINA VILLAGE	1144 Inlet Drive	COQUITLAM	67
27	LONDON SQUARE	1206A London Street	NEW WEST.	48
28	ASHDOWN GARDENS	590 S.W. Marine Drive	VANCOUVER	30
29	LYNDEN COURT	5500-48B Avenue	DELTA	51
30	MAPLE VINE COURT	7500 Francis Road	RICHMOND	82
31	MORAY PLACE	125 Moray Place	PORT MOODY	52
32	KNIGHTSBRIDGE I	12571 Cambie Road	RICHMOND	80
	KNIGHTSBRIDGE II	12571 Cambie Road	RICHMOND	80
33	HEATHER PLACE	#1 - 774 West 13th Avenue	VANCOUVER	86
34	RAN BEAMISH PLACE	8750 Maple Grove Cr.	BURNABY	122
35	EASTBURN SQUARE	7730 Sixth Street	BURNABY	30
36	GREYSTONE VILLAGE	7485 Woodbrook Place	BURNABY	96
37	STRATHEARN COURT	1873 Spyglass Place	VANCOUVER	96
38	MOFFATT PARK	7660 Moffatt Road	RICHMOND	21
39	McBRIDE PLACE	431 Ginger Drive	NEW WEST.	94
40	WALNUT GARDENS	601 West Keith Road	NORTH VAN.	26
41	HEMLOCK COURT	1411 East Seventeenth Ave.	VANCOUVER	21
42	PINEWOOD PLACE	854 West Seventeenth St.	NORTH VAN.	50
43	SINGLE FAMILY HOMES	Scattered		9
44	CEDARWOOD PLACE	7260 Granville Avenue	RICHMOND	73
			Total:	3,157

Housing Stock as at December 31, 1987

Map. No.	Project Name	Municipality	Townhouses	Apartments	Handicapped Units	Senior Citizens Apartments	Single Family Dwellings	Furnished Suites /Rms	Total
1	MERIDIAN VILLAGE	PORT COQUITLAM	130	47	5	20			202
2	MINATO WEST	RICHMOND	80	28	2				110
3	ST. ANDREWS PLACE	NORTH VAN.		15					15
4	SEMLIN TERRACE	VANCOUVER	36						36
5	GRANDVIEW GARDENS	VANCOUVER	20						20
6	EUCLID SQUARE	VANCOUVER	17	12	4				33
7	EARLE ADAMS VILLAGE	VANCOUVER	98		7				105
8	KELLY COURT	VANCOUVER			45				45
9	PARK COURT	COQUITLAM		30					30
10	LE CHATEAU PLACE	COQUITLAM		24					24
11	HABITAT VILLA	VANCOUVER	28	4	4				36
12	STANLEY NEW FOUNTAIN	VANCOUVER						103	103
13	GUILDFORD GLEN	SURREY	42	29	8				79
14	KINGSTON GARDENS	SURREY	144						144
	KINGSTON GARDENS IV	SURREY	48						48
15	HUGH BIRD RESIDENCE	VANCOUVER						64	64
16	FRANKLIN HOUSE	VANCOUVER			5			27	32
17	TIVOLI GARDENS	VANCOUVER	139		12				151
18	ADELAIDE COURT	RICHMOND	62		6				68
19	SOMERSET GARDENS	SURREY		160	6				166
20	EPSOM DOWNS	SURREY	108						108
21	SUTTON PLACE	SURREY	83						83
22	RIVER PLACE	PORT COQUITLAM	110		1				111
23	OZADA VILLAGE	COQUITLAM		61					61
24	DEER PARK LANE	SURREY					31		31
25	EVERGREEN DOWNS	DELTA		38					38
26	MALASPINA VILLAGE	COQUITLAM	67						67
27	LONDON SQUARE	NEW WEST.	48						48
28	ASHDOWN GARDENS	VANCOUVER	30						30
29	LYNDEN COURT	DELTA	51						51
30	MAPLE VINE COURT	RICHMOND	24	58					82
31	MORAY PLACE	PORT MOODY	52						52
32	KNIGHTSBRIDGE I	RICHMOND	80						80
	KNIGHTSBRIDGE II	RICHMOND	78		2				80
33	HEATHER PLACE	VANCOUVER	81		5				86
34	RAN BEAMISH PLACE	BURNABY	122						122
35	EASTBURN SQUARE	BURNABY	30						30
36	GREYSTONE VILLAGE	BURNABY	96						96
37	STRATHEARN COURT	VANCOUVER	15	79	2				96
38	MOFFATT PARK	RICHMOND	21						21
39	McBRIDE PLACE	NEW WEST.	94						94
40	WALNUT GARDENS	NORTH VAN.	26						26
41	HEMLOCK COURT	VANCOUVER	21						21
42	PINEWOOD PLACE	NORTH VAN.	50						50
43	SINGLE FAMILY HOMES						9		9
44	CEDARWOOD PLACE	RICHMOND				73			73
		Total:	2,131	585	114	93	40	194	3,157

GREATER VANCOUVER HOUSING CORPORATION
1988 ORGANIZATIONAL CHART


MANAGER
M.M. Walker
SECRETARY
F. McMann
DESIGN AND CONSTRUCTION
ADMINISTRATION AND PROPERTY MANAGEMENT
ADMINISTRATOR
C.J. Herman
ADMINISTRATOR
S.L. Richman
MAINTENANCE SUPERVISOR
O. Kiechle
OFFICE MANAGER
C. Pharey
MATERIALS COORDINATOR
K. Cook
SUBSIDY REVIEW OFFICER
N. Farrell
Vacant
CLERK/HOUSING
E. Mah
TELEPHONE OPERATOR RECEPTIONIST
J. Staley
CLERKS, PROP. MGMT.
J. Wood
J. Hobson
J. Green
AREA SUPERVISORS
SURREY, S. BURNABY, NEW WESTMINSTER
Y. Wakita
VANCOUVER
O. Clark
RICHMOND, DELTA WHITE ROCK
C. Maclean
NE SECTOR, N. BURNABY, NORTH VANCOUVER
R. Weeks
VANCOUVER/DOWNTOWN EASTSIDE
R. Crosby
HSG. ASST.
B. Jackson
C. Tuschek
Vacant
HSG. ASST.
A. Gapper
S. Ferguson
HSG. ASST.
S. Oertel
L. Black
C. Clarkson
HSG. ASST.
B. Phillipson
J. Miller
HSG. ASST.
E. Wong
CARETAKERS
Epsom
Deer Park
Guildford
J. Richards
G. Rotaru
CARETAKERS
Semlin
Grandview
Strathearn
J. Montenegro
G. Batten
CARETAKER
Somerset
Cedarwood
M. Hall
H. West
CARETAKERS
Park Court
Chateau
Ozada
Meridian
D. Wallace
W. Taylor
D. Altman
CARETAKERS
Hugh Bird
Franklin
Stanley/New Fountain
Kelly Court
L. Tungate
E. Forster
(7) Various
S. Phillips

Actual Dec. 31, 1987		Approved Dec. 31, 1987	1988 Changes	Total
2	Management	2	-	2
1	Design & Construction	1	-	1
10	Administration & Property Management	11	-	11
5	Area Supervisors	5	-	5
10	Housing Assistants	10	+1	11
12	Caretakers	12	-	12
	Downtown Eastside			
8	Support Staff	8	-1	7
48	Totals	49	0	49

Schedule 1

GREATER VANCOUVER HOUSING CORPORATION

Revenue and Expenditure Budget Summary
Rental Operations
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Final Budget
Section 15 Projects			
Net Surplus/(Deficit) on Operations	$ (10,344)	$ 29,186	$ 66,292
Transfer from non-rental operations	10,344		
Transfer to Replacement Reserve		(29,186)	(66,292)
	NIL	NIL	NIL
Section 56.1 Projects			
Net Surplus/(Deficit) on Operations before the following adjustments	(289,361)	91,088	(125,135)
Adjustments			
- Adjustment of prior years' rental assistance	(77,800)	(87,195)	—
- Net Transfer (to)/from subsidy reserve	(57,957)	(98,073)	(32,028)
Net Surplus/(Deficit) on Operations	$(425,118)	$ (94,180)	$(157,163)

Schedule 2

GREATER VANCOUVER HOUSING CORPORATION

Revenue and Expenditure Budget Summary
Non-Rental Operations
Year Ending December 31, 1988

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Interest on Capital Reserve Fund	$480,000	$478,381	$499,500
Other Interest	(10,000)	32,190	(22,300)
	$470,000	$510,571	$477,200
Expenditure			
Transfer to Section 15 rental operations	$ 10,344	$ —	$ —
Property Management (net) (Schedule 7)	105,304	65,206	53,759
Property Development Administration (net) (Schedule 8)	65,271	74,719	74,829
Corporate Administration			
- Central Administrative Services Allocated	6,000	6,000	7,000
- Corporate Services Allocated	7,480	7,665	5,600
- Administrative Offices Allocated	50,400	55,364	59,400
	$244,799	$208,954	$200,588
Net Income contributed to Capital Reserve Fund	$225,201	$301,617	$276,612

GREATER VANCOUVER HOUSING CORPORATION

Schedule 3

Summary of Net Income/(Deficit) before Adjustments

	1987 Final Budget	1987 Actual	1988 Final Budget
Section 15 Projects			
Earle Adams Village	$ 40,055	$ 61,873	$ 76,471
Euclid Square	12,030	7,591	23,707
Grandview Gardens	2,541	2,671	6,635
Kelly Court	4,026	11,130	(1,586)
Meridian Village	(125,173)	(65,396)	(129,791)
Minato West	47,001	13,945	79,286
St. Andrew's Place	(13,749)	(13,432)	(18,878)
Semlin Terrace	22,925	10,804	30,448
Total Section 15 Projects	(10,344)	29,186	66,292
Section 56.1 Projects			
Adelaide Court	62,223	39,850	84,469
Ashdown Gardens	(31,622)	(32,167)	(19,230)
Chateau Place	6,577	20,001	7,606
Deer Park Lane	(25,365)	(13,566)	(39,898)
Eastburn Square	511	1,844	897
Epsom Downs	(94,671)	(86,467)	(126,820)
Evergreen Downs	(6,562)	(10,983)	(16,612)
Franklin House	(34,998)	(18,769)	(20,454)
Greystone Village	21,456	26,260	2,601
Guildford Glen	17,752	42,341	15,912
Habitat Villa	85,806	108,988	120,434
Heather Place	(36,554)	4,887	2,270
Hemlock Court	7,743	10,992	2,692
Hugh Bird Residence	4,028	3,296	38,277
Kingston Gardens	17,045	40,247	(1,377)
Kingston Gardens IV	(44,767)	(37,454)	(40,329)
Knightsbridge I	15,326	28,368	29,041
Knightsbridge II	51,985	64,908	64,804
London Square	(12,275)	(7,071)	(29,881)
Lynden Court	(761)	(6,359)	(7,583)
Malaspina Village	(36,588)	(31,439)	(53,163)
Maple Vine Court	4,807	(8,875)	(5,189)
McBride Place	(35,757)	4,208	3,490
Moffatt Park	9,454	12,716	13,535
Moray Place	(21,916)	(10,837)	(36,247)
Ozada Village	(49,481)	(31,380)	(48,616)
Park Court	6,650	13,582	4,202
Pinewood Place	44,347	47,020	36,308
Ran Beamish Place	49,362	75,617	57,481
River Place	(191,610)	(170,888)	(197,633)
Single Family Homes	5,065	5,456	13,201
Somerset Gardens	(45,706)	(2,051)	(49,884)
Stanley/New Fountain	(98,945)	(121,814)	(24,364)
Strathearn Court	76,612	93,752	93,580
Sutton Place	(96,581)	(86,187)	(111,416)
Tivoli Gardens	78,650	99,720	104,639
Walnut Gardens	9,399	23,342	8,122
Total Section 56.1 Projects	(289,361)	91,088	(125,135)
Total Operating Deficit before adjustments	$(299,705)	$ 120,274	$ (58,843)

Schedule 4

GREATER VANCOUVER HOUSING CORPORATION

Rental Operations
1988 Final Budget
Summary by Object of Expenditure

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$16,986,254	$17,283,908	$17,968,867
Joint Federal/Provincial Rental Assistance	248,651	246,693	541,601
Miscellaneous Income	220,900	241,870	222,900
Total Revenue	$17,455,805	$17,772,471	$18,733,368
Expenditure			
Variable Costs			
Advertising	$ 44,550	$ 27,765	$ 36,750
Gardening	211,670	212,719	311,397
Security	31,396	17,773	18,850
Garbage Removal	117,496	109,811	127,400
Other services & supplies	118,323	123,205	133,050
Repairs & Maintenance	703,248	668,533	694,971
Decorating & Cleaning	618,986	679,163	728,450
Utilities	768,126	727,830	822,020
Site Management	1,157,100	1,138,149	1,197,475
Provision for Doubtful Accounts	87,911	90,275	86,250
Total Variable Costs	3,858,806	3,795,223	4,156,613
Fixed Costs			
Insurance	195,700	226,655	237,220
Property Taxes & Sewer Rates	2,112,900	2,033,394	2,162,270
Management Fee	930,533	930,533	985,274
Provision for Replacement Reserve	1,570,168	1,570,167	1,593,608
Land Rental			46,350
Total Fixed Costs	4,809,301	4,760,749	5,024,722
Total Operating Costs	8,668,107	8,555,972	9,181,335
Debt Charges	25,615,732	25,476,607	21,585,977
Less: Federal Mortgage Assistance	(16,608,159)	(16,421,414)	(12,210,901)
Net Debt Charges	9,007,573	9,055,193	9,375,076
Extraordinary Items			
Minor Capital Improvements	3,300	19,536	30,300
Other	76,530	21,496	205,500
	79,830	41,032	235,800
Total Expenditure	$17,755,510	$17,652,197	$18,792,211
Net Income/(Deficit)	$ (299,705)	$ 120,274	$ (58,843)

Schedule 5

GREATER VANCOUVER HOUSING CORPORATION

Rental Operations
Section 15 Projects
1988 Final Budget
By Object of Expenditure

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$2,976,897	$2,976,616	$3,142,845
Joint Federal/Provincial Rental Assistance	185,026	182,287	185,340
Miscellaneous Income	30,600	31,748	30,600
Total Revenue	$3,192,523	$3,190,651	$3,358,785
Expenditure			
Variable Costs			
Advertising	$ 2,750	$ 2,855	$ 4,650
Gardening	44,776	55,958	54,709
Security	12,620	10,877	7,450
Garbage Removal	22,913	21,789	23,200
Other Services & Supplies	17,112	11,536	18,850
Repairs & Maintenance	169,118	172,014	180,700
Decorating & Cleaning	130,719	130,858	138,750
Utilities	163,869	156,456	165,442
Site Management	169,200	172,352	176,979
Provision for Doubtful Accounts	14,931	5,981	11,735
Total Variable Costs	748,008	740,676	782,465
Fixed Costs			
Insurance	31,000	34,231	36,575
Property Taxes & Sewer Rates	363,300	337,248	354,110
Management Fee	176,592	176,592	183,656
Provision for Replacement Reserve	189,856	189,856	189,856
Total Fixed Costs	760,748	737,927	764,197
Total Operating Costs	1,508,756	1,478,603	1,546,662
Debt Charges	1,671,931	1,671,931	1,671,931
Extraordinary Items			
Minor Capital Improvements		8,431	800
Other	22,180	2,500	73,100
	22,180	10,931	73,900
Total Expenditure	$3,202,867	$3,161,465	$3,292,493
Net Income/(Deficit)	$ (10,344)	$ 29,186	$ 66,292

GREATER VANCOUVER HOUSING CORPORATION

Schedule 6

Rental Operations
Section 56.1 Projects
1988 Final Budget
By Object of Expenditure

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$14,009,357	$14,307,292	$14,586,872
Joint Federal/Provincial Rental Assistance	63,625	64,406	66,816
Miscellaneous Income	190,300	210,122	190,300
Total Revenue	$14,263,282	$14,581,820	$14,843,988
Expenditure			
Variable Costs			
Advertising	$ 41,800	$ 24,910	$ 32,100
Gardening	166,894	156,761	256,388
Security	18,776	6,896	11,400
Garbage Removal	94,583	88,022	102,400
Other Services & Supplies	101,211	111,669	110,200
Repairs & Maintenance	534,130	496,519	509,971
Decorating & Cleaning	488,267	548,305	584,300
Utilities	604,257	571,374	615,578
Site Management	987,900	965,797	990,496
Provision for Doubtful Accounts	72,980	84,294	73,215
Total Variable Costs	3,110,798	3,054,547	3,286,048
Fixed Costs			
Insurance	164,700	192,424	197,645
Property Taxes & Sewer Rates	1,749,600	1,696,146	1,768,160
Management Fee	753,941	753,941	784,098
Provision for Replacement Reserve	1,380,312	1,380,311	1,380,312
Total Fixed Costs	4,048,553	4,022,822	4,130,215
Total Operating Costs	7,159,351	7,077,369	7,416,263
Debt Charges	23,943,801	23,804,676	19,601,861
Less: Federal Mortgage Assistance	(16,608,159)	(16,421,414)	(12,210,901)
Net Debt Charges	7,335,642	7,383,262	7,390,960
Extraordinary Items			
Minor Capital Improvements	3,300	11,105	29,500
Other	54,350	18,996	132,400
	57,650	30,101	161,900
Total Expenditure	$14,552,643	$14,490,732	$14,969,123
Net Income/(Deficit)	$ (289,361)	$ 91,088	$ (125,135)

Schedule 7

GREATER VANCOUVER HOUSING CORPORATION

Property Management

	1987 Final Budget	1987 Actual	1988 Final Budget
Expenditure			
Salaries & employee benefits	$ 404,767	$ 374,316	$ 419,923
Board vehicles	7,000	2,265	5,000
Travel	7,500	4,636	7,500
Consultants	5,000	74	5,000
Other services & supplies	3,000	4,091	5,000
Central Administrative Services allocated	373,250	374,056	396,050
Indirect departmental costs allocated	183,900	180,966	170,900
Corporate Services allocated	41,420	55,335	29,660
Provision for contingency	10,000		
Total Expenditure	1,035,837	995,739	1,039,033
Recoverable from management fee charged to rental operations	(930,533)	(930,533)	(985,274)
	(930,533)	(931,083)	(985,274)
Net amount transferred to non-rental operations	$ 105,304	$ 65,206	$ 53,759
Number of rental units under management at January 1	3,084		3,157

Schedule 8

GREATER VANCOUVER HOUSING CORPORATION

Property Development Administration

	1987 Final Budget	1987 Actual	1988 Final Budget
Expenditure			
Salaries & employee benefits	$ 59,371	$ 60,796	$ 58,300
Board vehicles & mileage	2,500	1,656	2,500
Materials, supplies & other services	500	700	500
Indirect departmental costs allocated	27,900	30,494	24,400
Total Expenditure	90,271	93,646	85,700
Recoverable from capital project	(25,000)	(18,927)	(10,871)
Net amount transferred to non-rental operations	$ 65,271	$ 74,719	$ 74,829

NOTE:

Costs of property development administration are charged to a separate account to which is credited the Corporation's fees charged to capital projects.

Schedule 9

GREATER VANCOUVER HOUSING CORPORATION

Indirect Departmental Costs

	1987 Final Budget	1987 Actual	1988 Final Budget
Audit	$ 21,730	$ 18,706	$ 22,730
Legal	2,000	2,376	3,000
Corporate Services allocated	6,800	6,863	5,450
Office expenses			
Postage	3,000	1,080	3,000
Telephone	19,000	21,634	15,600
Equipment replacement & maintenance	11,000	10,977	11,000
Computer operating costs allocated	4,200	3,400	5,800
Duplicating	6,000	5,007	6,000
Supplies & services	17,900	22,614	22,100
Office Building rental	130,500	130,465	115,200
	222,130	223,122	209,880
Less: allocated as an override on salaries & wages to property management & property development administration	(222,130)	(223,122)	(209,880)
	$ NIL	$ NIL	$ NIL

Schedule 10

GREATER VANCOUVER HOUSING CORPORATION

Site Management

	1987 Final Budget	1987 Actual	1988 Final Budget
Labour & employee benefits	$827,400	$816,520	$859,374
Board vehicles & mileage	61,600	47,381	60,600
Telephone	35,500	46,615	36,700
Other services	11,200	14,360	14,300
Provision for equipment replacement	3,700	3,883	3,700
	939,400	928,759	974,674
Less: Costs allocated to projects	(939,400)	(928,759)	(974,674)
	$ NIL	$ NIL	$ NIL

Maintenance Supervision

	1987 Final Budget	1987 Actual	1988 Final Budget
Salary & employee benefits	$ 49,098	$ 48,585	$ 52,493
Board vehicle	4,050	4,056	4,050
Other services	500	479	500
	53,648	53,120	57,043
Less: Maintenance supervision allocated to projects	(53,648)	(53,120)	(57,043)
	$ NIL	$ NIL	$ NIL

NOTE:

The direct costs of the area staff and most site staff, and the maintenance supervisor are charged to separate accounts and allocated to projects based on the number of units in the projects.

GREATER VANCOUVER HOUSING CORPORATION

1988 Project Budgets

INDEX

PROJECT	PAGE
Adelaide Court	19
Ashdown Gardens	20
Cedarwood Place	21
Chateau Place	22
Deer Park Lane	23
Earle Adams Village	24
Eastburn Square	25
Epsom Downs	26
Euclid Square	27
Evergreen Downs	28
Franklin Street Residence	29
Grandview Gardens	30
Greystone Village	31
Guildford Glen	32
Habitat Villa	33
Heather Place	34
Hemlock Court	35
Hugh Bird Residence	36
Kelly Court	37
Kingston Gardens	38
Kingston Gardens IV	39
Knightsbridge I	40
Knightsbridge II	41
London Square	42
Lynden Court	43
Malaspina Village	44
Maple Vine Court	45
McBride Place	46
Meridian Village	47
Minato West	48
Moffatt Park	49
Moray Place	50
Ozada Village	51
Park Court	52
Pinewood Place	53
Ran Beamish Place	54
River Place	55
St. Andrew's Place	56
Semlin Terrace	57
Single Family Homes	58
Somerset Gardens	59
Stanley/New Fountain Residence	60
Strathearn Court	61
Sutton Place	62
Tivoli Gardens	63
Walnut Gardens	64

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GREATER VANCOUVER HOUSING CORPORATION

Adelaide Court - 68 Units
Auburn Drive
Richmond

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 420,366	$ 420,860	$ 447,303
Miscellaneous Income	3,100	4,526	3,100
Total Revenue	$ 423,466	$ 425,386	$ 450,403
Expenditure			
Variable Costs			
Advertising	$ 680	$ 1,056	$ 1,500
Gardening	5,000	5,160	9,669
Garbage Removal	2,040	2,144	2,150
Other Services & Supplies	1,704	890	2,300
Repairs & Maintenance	12,944	14,860	13,750
Decorating & Cleaning	13,332	15,298	12,950
Utilities	11,202	11,502	12,405
Site Management	19,400	17,701	19,965
Provision for Doubtful Accounts	397	420	339
Total Variable Costs	66,699	69,031	75,028
Fixed Costs			
Insurance	4,200	4,834	4,975
Property Taxes & Sewer Rates	42,800	42,816	44,957
Management Fee	21,216	21,216	22,065
Provision for Replacement Reserve	39,504	39,504	39,504
Total Fixed Costs	107,720	108,370	111,501
Total Operating Costs	174,419	177,401	186,529
Debt Charges	705,932	727,740	472,082
Less: Federal Mortgage Assistance	(519,108)	(520,864)	(292,677)
Net Debt Charges	186,824	206,876	179,405
Extraordinary Items			
Minor Capital Improvements		862	
Other		397	
		1,259	
Total Expenditure	$ 361,243	$ 385,536	$ 365,934
Net Income/(Deficit)	$ 62,223	$ 39,850	$ 84,469

GREATER VANCOUVER HOUSING CORPORATION

Ashdown Gardens - 30 Units
590 S.W. Marine Drive
Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 153,900	$ 154,377	$ 165,857
Miscellaneous Income	2,500	2,497	2,500
Total Revenue	$ 156,400	$ 156,874	$ 168,357
Expenditure			
Variable Costs			
Advertising	$ 900	$ 1,374	$ 1,600
Gardening	3,000	1,346	4,029
Garbage Removal	600	587	700
Other Services & Supplies	1,050	1,999	1,200
Repairs & Maintenance	8,550	6,501	6,350
Decorating & Cleaning	5,820	6,755	8,700
Utilities	6,831	7,850	7,970
Site Management	9,800	10,601	10,148
Provision for Doubtful Accounts	256	197	110
Total Variable Costs	36,807	37,210	40,807
Fixed Costs			
Insurance	1,800	2,085	2,156
Property Taxes	18,500	13,406	14,076
Management Fee	9,360	9,360	9,734
Provision for Replacement Reserve	17,092	17,092	17,092
Total Fixed Costs	46,752	41,943	43,058
Total Operating Costs	83,559	79,153	83,865
Debt Charges	448,736	454,755	259,893
Less: Federal Mortgage Assistance	(345,273)	(345,562)	(158,171)
Net Debt Charges	103,463	109,193	101,722
Extraordinary Items			
Minor Capital Improvements		695	
Other	1,000		2,000
	1,000	695	2,000
Total Expenditure	$ 188,022	$ 189,041	$ 187,587
Net Income/(Deficit)	$ (31,622)	$ (32,167)	$ (19,230)

GREATER VANCOUVER HOUSING CORPORATION

Cedarwood Place - 73 Units
Granville Avenue
Richmond, B.C.

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents			$ 239,150
Joint Federal/Provincial Rental Assistance			289,445
Miscellaneous Income			2,000
Total Revenue			$ 530,595
Expenditure			
Variable Costs			
Gardening			$ 300
Garbage Removal			1,800
Other Services & Supplies			4,000
Repairs & Maintenance			4,300
Decorating & Cleaning			5,400
Utilities			41,000
Site Management			30,000
Provision for Doubtful Accounts			1,300
Total Variable Costs			88,100
Fixed Costs			
Insurance			3,000
Property Taxes & Sewer Rates			40,000
Management Fee			17,520
Provision for Replacement Reserve			23,440
Land Rental			46,350
Total Fixed Costs			130,310
Total Operating Costs			218,410
Debt Charges			312,185
Total Expenditure			$ 530,595
Net Income/(Deficit)			$ 0

GREATER VANCOUVER HOUSING CORPORATION

Chateau Place - 24 Units
Schoolhouse Road
Coquitlam

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 120,158	$ 119,345	$ 119,845
Miscellaneous Income	3,000	3,017	3,000
Total Revenue	$ 123,158	$ 122,362	$ 122,845
Expenditure			
Variable Costs			
Advertising	$ 720	$ 217	$ 300
Gardening	3,000	1,647	3,223
Security	312		100
Garbage Removal	624	582	700
Other Services & Supplies	1,416	1,144	1,100
Repairs & Maintenance	13,376	9,250	10,200
Decorating & Cleaning	6,820	5,999	13,200
Utilities	21,867	17,977	18,737
Site Management	8,100	6,270	5,854
Provision for Doubtful Accounts	1,825	407	1,519
Total Variable Costs	58,060	43,493	54,933
Fixed Costs			
Insurance	1,300	1,504	1,593
Property Taxes	16,800	16,492	17,317
Management Fee	7,488	7,488	7,787
Provision for Replacement Reserve	5,117	5,117	5,117
Total Fixed Costs	30,705	30,601	31,814
Total Operating Costs	88,765	74,094	86,747
Debt Charges	71,822	67,802	70,476
Less: Federal Mortgage Assistance	(44,006)	(39,535)	(42,584)
Net Debt Charges	27,816	28,267	27,892
Extraordinary Items			
Other			600
Total Expenditure	$ 116,581	$ 102,361	$ 115,239
Net Income/(Deficit)	$ 6,577	$ 20,001	$ 7,606

GREATER VANCOUVER HOUSING CORPORATION

Deer Park Lane - 31 Units
6717 - 131st Street
Surrey

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 198,686	$ 200,788	$ 194,627
Miscellaneous Income		213	
Total Revenue	$ 198,686	$ 201,001	$ 194,627
Expenditure			
Variable Costs			
Advertising	$ 500	$ 53	$ 100
Gardening	5,700	6,823	9,669
Garbage Removal	1,891	1,535	2,100
Other Services & Supplies	803	519	500
Repairs & Maintenance	8,781	5,028	6,900
Decorating & Cleaning	5,550	4,301	7,800
Utilities	3,898	2,339	4,229
Site Management	10,100	9,683	10,630
Provision for Doubtful Accounts	1,883	700	1,731
Total Variable Costs	39,106	30,981	43,659
Fixed Costs			
Insurance	1,500	1,479	1,683
Property Taxes & Sewer Rates	34,500	34,788	36,527
Management Fee	9,672	9,672	10,059
Provision for Replacement Reserve	19,373	19,373	19,373
Total Fixed Costs	65,045	65,312	67,642
Total Operating Costs	104,151	96,293	111,301
Debt Charges	390,180	381,404	288,681
Less: Federal Mortgage Assistance	(272,280)	(263,130)	(168,457)
Net Debt Charges	117,900	118,274	120,224
Extraordinary Items			
Other	2,000		3,000
Total Expenditure	$ 224,051	$ 214,567	$ 234,525
Net Income/(Deficit)	$ (25,365)	$ (13,566)	$ (39,898)

GREATER VANCOUVER HOUSING CORPORATION

Earle Adams Village - 105 Units
Champlain Heights
Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 629,884	$ 632,414	$ 664,261
Joint Federa/Provincial Rental Assistance	7,300	8,241	7,300
Miscellaneous Income	4,400	5,076	4,400
Total Revenue	$ 641,584	$ 645,731	$ 675,961
Expenditure			
Variable Costs			
Advertising	$	$	$ 200
Gardening	12,600	15,173	12,892
Garbage Removal	5,985	6,186	6,500
Other Services & Supplies	2,365	1,594	1,600
Repairs & Maintenance	28,430	24,413	23,600
Decorating & Cleaning	19,950	15,071	17,800
Utilities	18,710	17,805	18,619
Site Management	34,100	37,015	35,516
Provision for Doubtful Accounts	2,576	3,378	2,406
Total Variable Costs	124,716	120,635	119,133
Fixed Costs			
Insurance	5,400	5,801	6,341
Property Taxes	78,500	65,709	68,993
Management Fee	32,760	32,760	34,070
Provision for Replacement Reserve	33,358	33,358	33,358
Total Fixed Costs	150,018	137,628	142,762
Total Operating Costs	274,734	258,263	261,895
Debt Charges	325,595	325,595	325,595
Extraordinary Items			
Other	1,200		12,000
Total Expenditure	$ 601,529	$ 583,858	$ 599,490
Net Income/(Deficit)	$ 40,055	$ 61,873	$ 76,471

GREATER VANCOUVER HOUSING CORPORATION

Eastburn Square - 30 Units
6th Street
Burnaby

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 183,060	$ 182,930	$ 193,849
Miscellaneous Income	1,000	817	1,000
Total Revenue	$ 184,060	$ 183,747	$ 194,849
Expenditure			
Variable Costs			
Advertising	$ 900	$ 453	$ 500
Gardening	3,000	2,450	4,029
Security	1,000	162	200
Garbage Removal	1,200	1,518	1,400
Other Services & Supplies	1,360	2,893	2,500
Repairs & Maintenance	7,220	5,262	6,500
Decorating & Cleaning	7,900	12,503	9,900
Utilities	5,234	4,662	4,716
Site Management	9,800	9,379	10,287
Provision for Doubtful Accounts	2,416	(1,463)	1,123
Total Variable Costs	40,030	37,819	41,155
Fixed Costs			
Insurance	1,900	2,201	2,250
Property Taxes & Sewer Rates	23,200	23,099	24,254
Management Fee	9,360	9,360	9,734
Provision for Replacement Reserve	17,244	17,243	17,244
Total Fixed Costs	51,704	51,903	53,482
Total Operating Costs	91,734	89,722	94,637
Debt Charges	293,657	293,657	293,657
Less: Federal Mortgage Assistance	(201,842)	(201,476)	(201,842)
Net Debt Charges	91,815	92,181	91,815
Extraordinary Items			
Other			7,500
Total Expenditure	$ 183,549	$ 181,903	$ 193,952
Net Income/(Deficit)	$ 511	$ 1,844	$ 897

GREATER VANCOUVER HOUSING CORPORATION

Epsom Downs - 108 Units
13699 - 76th Avenue
Surrey

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 623,437	$ 629,670	$608,517
Miscellaneous Income	3,400	4,030	3,400
Total Revenue	$ 626,837	$ 633,700	$ 611,917
Expenditure			
Variable Costs			
Advertising	$ 2,500	$ 546	$ 800
Gardening	9,000	7,981	9,669
Security	3,000	200	1,500
Garbage Removal	7,020	5,896	6,900
Other Services & Supplies	2,504	3,279	2,500
Repairs & Maintenance	17,676	12,444	11,800
Decorating & Cleaning	14,272	23,613	23,400
Utilities	15,253	13,954	16,741
Site Management	35,100	33,729	37,034
Provision for Doubtful Accounts	5,107	4,646	5,893
Total Variable Costs	111,432	106,288	116,237
Fixed Costs			
Insurance	8,200	10,452	10,027
Property Taxes & Sewer Rates	76,800	77,466	81,339
Management Fee	33,696	33,696	35,044
Provision for Replacement Reserve	82,384	82,384	82,384
Total Fixed Costs	201,080	203,998	208,794
Total Operating Costs	312,512	310,286	325,031
Debt Charges	981,258	960,494	991,014
Less: Federal Mortgage Assistance	(572,262)	(550,613)	(583,308)
Net Debt Charges	408,996	409,881	407,706
Extraordinary Items			
Minor Capital Improvements			2,000
Other			4,000
			6,000
Total Expenditure	$ 721,508	$ 720,167	$ 738,737
Net Income/(Deficit)	$ (94,671)	$ (86,467)	$ (126,820)

GREATER VANCOUVER HOUSING CORPORATION

Euclid Square - 33 Units
Foster/Euclid
Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 178,945	$ 174,929	$ 193,972
Joint Federal/Provincial Rental Assistance	8,500	7,417	8,500
Miscellaneous Income	2,700	2,905	2,700
Total Revenue	$ 190,145	$ 185,251	$ 205,172
Expenditure			
Variable Costs			
Gardening	$ 2,376	$ 5,100	$ 3,223
Garbage Removal	1,155	1,169	1,400
Other Services & Supplies	1,029	1,168	900
Repairs & Maintenance	8,377	8,106	7,900
Decorating & Cleaning	7,395	4,656	6,400
Utilities	6,262	6,398	6,501
Site Management	10,700	11,630	11,162
Provision for Doubtful Accounts	415	668	638
Total Variable Costs	37,709	38,895	38,124
Fixed Costs			
Insurance	1,800	2,024	2,161
Property Taxes	22,400	20,535	21,562
Management Fee	10,296	10,296	10,708
Provision for Replacement Reserve	10,267	10,267	10,267
Total Fixed Costs	44,763	43,122	44,698
Total Operating Costs	82,472	82,017	82,822
Debt Charges	95,643	95,643	95,643
Extraordinary Items			
Other			3,000
Total Expenditure	$ 178,115	$ 177,660	$ 181,465
Net Income/(Deficit)	$ 12,030	$ 7,591	$ 23,707

GREATER VANCOUVER HOUSING CORPORATION

Evergreen Downs - 38 Units
4600 Evergreen Lane
Ladner

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 210,439	$ 211,627	$ 210,371
Miscellaneous Income	5,800	5,721	5,800
Total Revenue	$ 216,239	$ 217,348	$ 216,171
Expenditure			
Variable Costs			
Advertising	$ 1,140	$	$ 500
Gardening	2,432	2,373	2,901
Security	200		100
Garbage Removal	1,330	1,064	1,100
Other Services & Supplies	2,394	2,389	2,500
Repairs & Maintenance	8,918	10,611	10,350
Decorating & Cleaning	10,654	9,810	10,450
Utilities	13,353	12,812	13,408
Site Management	10,800	9,892	11,157
Provision for Doubtful Accounts	1,131	89	1,040
Total Variable Costs	52,352	49,040	53,506
Fixed Costs			
Insurance	2,200	2,579	2,682
Property Taxes & Sewer Rates	22,100	23,952	25,150
Management Fee	11,856	11,856	12,330
Provision for Replacement Reserve	21,154	21,154	21,154
Total Fixed Costs	57,310	59,541	61,316
Total Operating Costs	109,662	108,581	114,822
Debt Charges	452,756	459,208	289,988
Less: Federal Mortgage Assistance	(339,617)	(339,864)	(172,027)
Net Debt Charges	113,139	119,344	117,961
Extraordinary Items			
Minor Capital Improvements		406	
Total Expenditure	$ 222,801	$ 228,331	$ 232,783
Net Income/(Deficit)	$ (6,562)	$ (10,983)	$ (16,612)

GREATER VANCOUVER HOUSING CORPORATION

Franklin House - 32 Units
Franklin Street
Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 78,216	$ 85,169	$ 87,774
Joint Federal/Provincial Rental Assistance	17,725	19,468	20,916
Miscellaneous Income	700	5,472	700
Total Revenue	$ 96,641	$ 110,109	$ 109,390
Expenditure			
Variable Costs			
Security	$ 2,000	$ 2,236	$ 2,000
Garbage Removal	288	304	400
Other Services & Supplies	3,364	4,614	3,200
Repairs & Maintenance	10,320	9,877	9,100
Decorating & Cleaning	4,864	3,061	3,600
Utilities	13,744	13,510	14,039
Site Management	38,200	35,801	37,954
Provision for Doubtful Accounts	80	136	7
Total Variable Costs	72,860	69,539	70,300
Fixed Costs			
Insurance	1,200	1,040	1,346
Property Taxes	7,500	7,464	7,837
Management Fee	2,423	2,423	2,520
Provision for Replacement Reserve	9,565	9,565	9,565
Total Fixed Costs	20,688	20,492	21,268
Total Operating Costs	93,548	90,031	91,568
Debt Charges	99,864	99,864	102,144
Less: Federal Mortgage Assistance	(61,773)	(61,773)	(64,368)
Net Debt Charges	38,091	38,091	37,776
Extraordinary Items			
Minor Capital Improvements		416	500
Major Repairs		340	
		756	500
Total Expenditure	$ 131,639	$ 128,878	$ 129,844
Net Income/(Deficit)	$ (34,998)	$ (18,769)	$ (20,454)

GREATER VANCOUVER HOUSING CORPORATION

Grandview Gardens - 20 Units
2500 N. Grandview
Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 132,474	$ 131,092	$ 139,681
Total Revenue	$ 132,474	$ 131,092	$ 139,681
Expenditure			
Variable Costs			
Advertising	$	$	$ 100
Gardening	2,240	3,552	2,417
Garbage Removal	1,140	1,162	1,350
Other Services & Supplies	820	216	700
Repairs & Maintenance	8,960	6,448	8,300
Decorating & Cleaning	3,980	3,562	5,800
Utilities	2,195	2,462	2,322
Site Management	6,500	7,053	6,765
Provision for Doubtful Accounts	189		189
Total Variable Costs	26,024	24,455	27,943
Fixed Costs			
Insurance	1,200	1,347	1,404
Property Taxes	16,700	16,610	17,441
Management Fee	6,240	6,240	6,490
Provision for Replacement Reserve	7,916	7,916	7,915
Total Fixed Costs	32,056	32,113	33,250
Total Operating Costs	58,080	56,568	61,193
Debt Charges	71,853	71,853	71,853
Total Expenditure	$ 129,933	$ 128,421	$ 133,046
Net Income/(Deficit)	$ 2,541	$ 2,671	$ 6,635

GREATER VANCOUVER HOUSING CORPORATION

Greystone Village - 96 Units
Burnwood Avenue
Burnaby

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 593,309	$ 601,126	$ 608,478
Miscellaneous Income	16,600	16,367	16,600
Total Revenue	$ 609,909	$ 617,493	$ 625,078
Expenditure			
Variable Costs			
Advertising	$ 1,920	$ 1,392	$ 2,000
Gardening	8,064	6,900	16,115
Security	500	80	100
Garbage Removal	5,280	5,251	6,100
Other Services & Supplies	2,088	1,688	1,800
Repairs & Maintenance	19,072	15,968	15,100
Decorating & Cleaning	21,236	23,111	20,600
Utilities	14,523	15,885	14,787
Site Management	24,800	25,100	26,192
Provision for Doubtful Accounts	1,130	(455)	601
Total Variable Costs	98,613	94,920	103,395
Fixed Costs			
Insurance	6,500	7,778	7,793
Property Taxes & Sewer Rates	65,900	71,096	74,651
Management Fee	29,952	29,952	31,150
Provision for Replacement Reserve	63,593	63,593	63,593
Total Fixed Costs	165,945	172,419	177,187
Total Operating Costs	264,558	267,339	280,582
Debt Charges	1,020,540	1,020,540	1,020,540
Less: Federal Mortgage Assistance	(699,645)	(699,646)	(696,645)
Net Debt Charges	320,895	320,894	323,895
Extraordinary Items			
Minor Capital Improvements			12,000
Other	3,000	3,000	6,000
	3,000	3,000	18,000
Total Expenditure	$ 588,453	$ 591,233	$ 622,477
Net Income/(Deficit)	$ 21,456	$ 26,260	$ 2,601

GREATER VANCOUVER HOUSING CORPORATION

Guildford Glen - 79 Units
101A Avenue/148th Street
Surrey

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 372,472	$ 382,159	$ 373,643
Joint Federal/Provincial Rental Assistance	45,900	44,938	45,900
Miscellaneous Income	7,900	8,952	7,900
Total Revenue	$ 426,272	$ 436,049	$ 427,443
Expenditure			
Variable Costs			
Advertising	$ 2,000	$ 490	$ 600
Gardening	4,000	4,859	4,834
Security			100
Garbage Removal	3,555	2,930	3,500
Other Services & Supplies	4,028	3,965	2,000
Repairs & Maintenance	19,726	16,186	17,100
Decorating & Cleaning	16,777	13,344	13,600
Utilities	27,037	25,601	28,964
Site Management	25,700	24,690	27,090
Provision for Doubtful Accounts	1,869	697	1,992
Total Variable Costs	104,692	92,762	99,780
Fixed Costs			
Insurance	4,600	5,218	5,459
Property Taxes & Sewer Rates	50,800	51,225	53,786
Management Fee	24,648	24,648	25,634
Provision for Replacement Reserve	38,217	38,217	38,217
Total Fixed Costs	118,265	119,308	123,096
Total Operating Costs	222,957	212,070	222,876
Debt Charges	437,265	428,364	438,226
Less: Federal Mortgage Assistance	(255,202)	(247,034)	(256,571)
Net Debt Charges	182,063	181,330	181,655
Extraordinary Items			
Minor Capital Improvements			5,000
Major Repairs		308	
Other	3,500		2,000
	3,500	308	7,000
Total Expenditure	$ 408,520	$ 393,708	$ 411,531
Net Income/(Deficit)	$ 17,752	$ 42,341	$ 15,912

GREATER VANCOUVER HOUSING CORPORATION

Habitat Villa - 36 Units
2nd Avenue/Wallace
Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 247,078	$ 267,770	$ 292,107
Miscellaneous Income	5,700	5,342	5,700
Total Revenue	$ 252,778	$ 273,112	$ 297,807
Expenditure			
Variable Costs			
Gardening	$ 2,628	$ 2,919	$ 2,417
Garbage Removal	1,944	1,756	2,050
Other Services & Supplies	768	744	800
Repairs & Maintenance	9,120	8,314	8,200
Decorating & Cleaning	7,480	5,592	8,500
Utilities	7,010	6,512	7,096
Site Management	11,700	12,689	12,177
Provision for Doubtful Accounts	1,089	(2,082)	(81)
Total Variable Costs	41,739	36,444	41,159
Fixed Costs			
Insurance	2,200	2,527	2,608
Property Taxes	29,100	31,280	32,844
Management Fee	11,232	11,232	11,681
Provision for Replacement Reserve	13,062	13,062	13,062
Total Fixed Costs	55,594	58,101	60,195
Total Operating Costs	97,333	94,545	101,354
Debt Charges	166,049	166,036	170,420
Less: Federal Mortgage Assistance	(96,410)	(96,457)	(101,401)
Net Debt Charges	69,639	69,579	69,019
Extraordinary Items			
Other			7,000
Total Expenditure	$ 166,972	$ 164,124	$ 177,373
Net Income/(Deficit)	$ 85,806	$ 108,988	$ 120,434

GREATER VANCOUVER HOUSING CORPORATION

Heather Place - 86 Units
West 13th & Heather Street
Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 497,270	$ 521,941	$ 544,909
Miscellaneous Income	11,900	11,775	11,900
Total Revenue	$ 509,170	$ 533,716	$ 556,809
Expenditure			
Variable Costs			
Advertising	$ 2,580	$ 844	$ 1,200
Gardening	5,160	6,274	12,086
Security	172		100
Garbage Removal	2,838	2,641	3,100
Other Services & Supplies	2,478	2,402	2,000
Repairs & Maintenance	19,598	22,445	22,100
Decorating & Cleaning	19,970	17,918	19,050
Utilities	12,099	14,129	13,673
Site Management	28,000	30,336	29,090
Provision for Doubtful Accounts	1,146	(143)	655
Total Variable Costs	94,041	96,846	103,054
Fixed Costs			
Insurance	5,300	6,205	6,366
Property Taxes	65,200	45,916	48,212
Management Fee	26,832	26,832	27,905
Provision for Replacement Reserve	51,090	51,090	51,090
Total Fixed Costs	148,422	130,043	133,573
Total Operating Costs	242,463	226,889	236,627
Debt Charges	1,246,533	1,246,533	759,888
Less: Federal Mortgage Assistance	(946,272)	(946,278)	(449,976)
Net Debt Charges	300,261	300,255	309,912
Extraordinary Items			
Other	3,000	1,685	8,000
Total Expenditure	$ 545,724	$ 528,829	$ 554,539
Net Income/(Deficit)	$ (36,554)	$ 4,887	$ 2,270

GREATER VANCOUVER HOUSING CORPORATION

Hemlock Court - 21 Units
1411 East 17th Avenue
Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 135,812	$ 137,392	$ 139,630
Miscellaneous Income	2,500	1,627	2,500
Total Revenue	$ 138,312	$ 139,019	$ 142,130
Expenditure			
Variable Costs			
Advertising	$ 420	$ 434	$ 600
Gardening	2,142	1,647	8,057
Security	105	160	
Garbage Removal	1,155	1,162	1,400
Other Services & Supplies	830	148	700
Repairs & Maintenance	6,719	5,198	5,300
Decorating & Cleaning	5,725	4,718	9,750
Utilities	4,413	4,076	4,236
Site Management	6,800	7,427	7,103
Provision for Doubtful Accounts	247	(95)	133
Total Variable Costs	28,556	24,875	37,279
Fixed Costs			
Insurance	1,400	1,606	
Property Taxes & Sewer Rates	13,900	14,461	15,184
Management Fee	6,552	6,552	6,814
Provision for Replacement Reserve	12,322	12,321	12,322
Total Fixed Costs	34,174	34,940	34,320
Total Operating Costs	62,730	59,815	71,599
Debt Charges	219,255	219,255	219,255
Less: Federal Mortgage Assistance	(151,416)	(151,043)	(151,416)
Net Debt Charges	67,839	68,212	67,839
Total Expenditure	$ 130,569	$ 128,027	$ 139,438
Net Income/(Deficit)	$ 7,743	$ 10,992	$ 2,692

GREATER VANCOUVER HOUSING CORPORATION

Hugh Bird Residence - 64 Units
E. Cordova Street
Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 268,533	$ 268,581	$ 304,365
Miscellaneous Income	1,400	836	1,400
Total Revenue	$ 269,933	$ 269,417	$ 305,765
Expenditure			
Variable Costs			
Advertising	$	$ 64	$ 100
Garbage Removal	832	876	1,000
Other Services & Supplies	7,048	5,861	6,400
Repairs & Maintenance	13,152	7,862	10,200
Decorating & Cleaning	5,784	6,984	7,500
Utilities	27,588	26,649	27,879
Site Management	50,400	52,273	51,008
Provision for Doubtful Accounts	6		62
Total Variable Costs	104,810	100,569	104,149
Fixed Costs			
Insurance	2,500	2,185	2,776
Property Taxes	12,400	11,732	12,319
Management Fee	19,968	19,968	20,767
Provision for Replacement Reserve	22,128	22,128	22,128
Total Fixed Costs	56,996	56,013	57,990
Total Operating Costs	161,806	156,582	162,139
Debt Charges	198,594	202,963	204,030
Less: Federal Mortgage Assistance	(95,995)	(95,877)	(99,681)
Net Debt Charges	102,599	107,086	104,349
Extraordinary Items			
Minor Capital Improvements			1,000
Other	1,500	2,453	
	1,500	2,453	1,000
Total Expenditure	$ 265,905	$ 266,121	$ 267,488
Net Income/(Deficit)	$ 4,028	$ 3,296	$ 38,277

GREATER VANCOUVER HOUSING CORPORATION

Kelly Court - 45 Units
14th Avenue/Nootka
Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 144,312	$ 145,093	$ 141,532
Joint Federal/Provincial Rental Assistance	130,900	130,788	130,900
Miscellaneous Income	4,200	3,273	4,200
Total Revenue	$ 279,412	$ 279,154	$ 276,632
Expenditure			
Variable Costs			
Gardening	$ 1,620	$ 879	$ 2,014
Security		158	200
Garbage Removal	1,395	1,187	1,400
Other Services & Supplies	1,785	2,583	2,100
Repairs & Maintenance	11,935	13,348	12,000
Decorating & Cleaning	13,045	10,632	11,600
Utilities	36,785	32,345	33,639
Site Management	18,900	18,589	19,857
Provision for Doubtful Accounts	223		223
Total Variable Costs	85,688	79,721	83,033
Fixed Costs			
Insurance	2,600	2,869	3,027
Property Taxes	24,900	23,236	24,398
Management Fee	14,040	14,040	14,602
Provision for Replacement Reserve	15,992	15,992	15,992
Total Fixed Costs	57,532	56,137	58,019
Total Operating Costs	143,220	135,858	141,052
Debt Charges	132,166	132,166	132,166
Extraordinary Items			
Other			5,000
Total Expenditure	$ 275,386	$ 268,024	$ 278,218
Net Income/(Deficit)	$ 4,026	$ 11,130	$ (1,586)

GREATER VANCOUVER HOUSING CORPORATION

Kingston Gardens - 144 Units
152nd Street/99th Avenue
Surrey

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 707,944	$ 744,506	$ 737,820
Miscellaneous Income	18,800	20,600	18,800
Total Revenue	$ 726,744	$ 765,106	$ 756,620
Expenditure			
Variable Costs			
Advertising	$ 2,600	$ 826	$ 1,000
Gardening	6,500	9,017	20,144
Security	3,024	565	1,500
Garbage Removal	6,480	5,306	6,400
Other Services & Supplies	4,240	8,464	7,800
Repairs & Maintenance	35,764	45,199	38,900
Decorating & Cleaning	28,668	38,532	39,800
Utilities	33,211	35,580	38,243
Site Management	46,800	45,013	49,378
Provision for Doubtful Accounts	7,420	43	3,032
Total Variable Costs	174,707	188,545	206,197
Fixed Costs			
Insurance	7,500	8,126	8,833
Property Taxes & Sewer Rates	93,400	94,226	98,937
Management Fee	44,928	44,928	46,725
Provision for Replacement Reserve	64,148	64,148	64,148
Total Fixed Costs	209,976	211,428	218,643
Total Operating Costs	384,683	399,973	424,840
Debt Charges	787,812	772,313	786,418
Less: Federal Mortgage Assistance	(464,796)	(447,427)	(464,061)
Net Debt Charges	323,016	324,886	322,357
Extraordinary Items			
Minor Capital Improvements	2,000		
Other			10,800
	2,000		10,800
Total Expenditure	$ 709,699	$ 724,859	$ 757,997
Net Income/(Deficit)	$ 17,045	$ 40,247	$ (1,377)

GREATER VANCOUVER HOUSING CORPORATION

Kingston Gardens IV - 48 Units
152nd Street/99th Avenue
Surrey

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 234,048	$ 246,561	$ 245,990
Miscellaneous Income		80	
Total Revenue	$ 234,048	$ 246,641	$ 245,990
Expenditure			
Variable Costs			
Advertising	$ 1,000	$	$ 300
Gardening	2,200		4,029
Security	1,008		500
Garbage Removal	2,064	1,762	2,100
Other Services & Supplies	1,560	1,560	1,700
Repairs & Maintenance	11,244	10,224	11,000
Decorating & Cleaning	7,836	16,734	11,100
Utilities	8,739	9,252	10,371
Site Management	15,600	14,996	16,459
Provision for Doubtful Accounts	1,824	1,275	1,398
Total Variable Costs	53,075	55,803	58,957
Fixed Costs			
Insurance	2,900	3,332	3,448
Property Taxes & Sewer Rates	30,000	30,212	31,723
Management Fee	14,976	14,976	15,575
Provision for Replacement Reserve	28,653	28,653	28,653
Total Fixed Costs	76,529	77,173	79,399
Total Operating Costs	129,604	132,976	138,356
Debt Charges	356,311	358,194	369,679
Less: Federal Mortgage Assistance	(207,100)	(207,075)	(222,516)
Net Debt Charges	149,211	151,119	147,163
Extraordinary Items			
Other			800
Total Expenditure	$ 278,815	$ 284,095	$ 286,319
Net Income/(Deficit)	$ (44,767)	$ (37,454)	$ (40,329)

GREATER VANCOUVER HOUSING CORPORATION

Knightsbridge I - 80 Units
Cambie Road & No. 5 Road
Richmond

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 486,780	$ 489,032	$ 502,982
Miscellaneous Income	5,100	10,243	5,100
Total Revenue	$ 491,880	$ 499,275	$ 508,082
Expenditure			
Variable Costs			
Advertising	$ 600	$ 1,199	$ 700
Gardening	5,000	5,094	6,043
Garbage Removal	3,500	3,266	3,700
Other Services & Supplies	1,740	552	2,400
Repairs & Maintenance	14,060	14,789	14,250
Decorating & Cleaning	13,860	15,323	13,650
Utilities	11,221	11,304	12,448
Site Management	22,700	20,828	23,488
Provision for Doubtful Accounts	607	1,335	881
Total Variable Costs	73,288	73,690	77,560
Fixed Costs			
Insurance	4,800	5,497	5,700
Property Taxes & Sewer Rates	50,200	47,784	50,173
Management Fee	24,960	24,960	25,958
Provision for Replacement Reserve	47,429	47,429	47,429
Total Fixed Costs	127,389	125,670	129,260
Total Operating Costs	200,677	199,360	206,820
Debt Charges	933,417	933,488	731,891
Less: Federal Mortgage Assistance	(663,540)	(663,542)	(459,670)
Net Debt Charges	269,877	269,946	272,221
Extraordinary Items			
Minor Capital Improvements	6,000		
Other		1,601	
	6,000	1,601	
Total Expenditure	$ 476,554	$ 470,907	$ 479,041
Net Income/(Deficit)	$ 15,326	$ 28,368	$ 29,041

GREATER VANCOUVER HOUSING CORPORATION

Knightsbridge II - 80 Units
Cambie Road
Richmond

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 486,780	$ 492,543	$ 502,466
Miscellaneous Income	5,000	899	5,000
Total Revenue	$ 491,780	$ 493,442	$ 507,466
Expenditure			
Variable Costs			
Advertising	$ 600	$ 1,018	$ 700
Gardening	5,000	4,159	6,043
Garbage Removal	3,500	2,879	3,700
Other Services & Supplies	1,740	609	2,400
Repairs & Maintenance	14,060	11,608	14,251
Decorating & Cleaning	14,900	13,756	13,650
Utilities	8,157	8,877	9,779
Site Management	22,700	20,821	23,488
Provision for Doubtful Accounts	1,432	482	1,115
Total Variable Costs	72,089	64,209	75,126
Fixed Costs			
Insurance	4,800	5,497	5,700
Property Taxes & Sewer Rates	50,200	47,745	50,132
Management Fee	24,960	24,960	25,958
Provision for Replacement Reserve	44,461	44,463	44,461
Total Fixed Costs	124,421	122,665	126,251
Total Operating Costs	196,510	186,874	201,377
Debt Charges	736,080	736,080	736,080
Less: Federal Mortgage Assistance	(494,795)	(494,795)	(494,795)
Net Debt Charges	241,285	241,285	241,285
Extraordinary Items			
Minor Capital Improvements		375	
Other	2,000		
	2,000	375	
Total Expenditure	$ 439,795	$ 428,534	$ 442,662
Net Income/(Deficit)	$ 51,985	$ 64,908	$ 64,804

GREATER VANCOUVER HOUSING CORPORATION

London Square - 48 Units
13th Street & London Street
New Westminster

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 327,629	$ 336,663	$ 337,287
Miscellaneous Income	2,500	2,510	2,500
Total Revenue	$ 330,129	$ 339,173	$ 339,787
Expenditure			
Variable Costs			
Advertising	$ 960	$ 198	$ 300
Gardening	8,000	7,390	9,669
Security	1,000	162	300
Garbage Removal	2,400	2,173	2,500
Other Services & Supplies	1,756	2,990	4,300
Repairs & Maintenance	7,592	9,933	10,600
Decorating & Cleaning	9,186	13,486	11,300
Utilities	26,387	22,601	25,339
Site Management	15,600	14,991	16,459
Provision for Doubtful Accounts	1,169	(283)	892
Total Variable Costs	74,050	73,641	81,659
Fixed Costs			
Insurance	3,400	4,112	4,076
Property Taxes & Sewer Rates	41,900	45,436	47,708
Management Fee	14,976	14,976	15,575
Provision for Replacement Reserve	33,850	33,849	33,850
Total Fixed Costs	94,126	98,373	101,209
Total Operating Costs	168,176	172,014	182,868
Debt Charges	602,520	602,520	441,252
Less: Federal Mortgage Assistance	(428,292)	(428,290)	(256,452)
Net Debt Charges	174,228	174,230	184,800
Extraordinary Items			
Other			2,000
Total Expenditure	$ 342,404	$ 346,244	$ 369,668
Net Income/(Deficit)	$ (12,275)	$ (7,071)	$ (29,881)

GREATER VANCOUVER HOUSING CORPORATION

Lynden Court - 51 Units
N.E. of Ladner Trunk Road & Lynden Drive
Delta

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 310,313	$ 312,334	$ 322,174
Miscellaneous Income	1,000	2,055	1,000
Total Revenue	$ 311,313	$ 314,389	$ 323,174
Expenditure			
Variable Costs			
Advertising	$ 500	$ 135	$ 200
Gardening	3,000	3,025	6,043
Garbage Removal	1,785	1,521	1,800
Other Services & Supplies	1,363	379	1,200
Repairs & Maintenance	10,435	11,248	12,600
Decorating & Cleaning	12,595	17,653	13,700
Utilities	4,282	4,290	4,782
Site Management	14,500	13,278	14,974
Provision for Doubtful Accounts	1,208	455	638
Total Variable Costs	49,668	51,984	55,937
Fixed Costs			
Insurance	3,200	3,791	3,866
Property Taxes & Sewer Rates	35,700	41,471	43,545
Management Fee	15,912	15,912	16,549
Provision for Replacement Reserve	30,789	30,789	30,789
Total Fixed Costs	85,601	91,963	94,749
Total Operating Costs	135,269	143,947	150,686
Debt Charges	734,001	734,001	444,671
Less: Federal Mortgage Assistance	(557,196)	(557,200)	(264,600)
Net Debt Charges	176,805	176,801	180,071
Total Expenditure	$ 312,074	$ 320,748	$ 330,757
Net Income/(Deficit)	$ (761)	$ (6,359)	$ (7,583)

GREATER VANCOUVER HOUSING CORPORATION

Malaspina Village - 67 Units
Inlet Drive
Coquitlam

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 380,798	$ 400,522	$ 393,587
Miscellaneous Income	1,800	2,406	1,800
Total Revenue	$ 382,598	$ 402,928	$ 395,387
Expenditure			
Variable Costs			
Advertising	$ 1,340	$ 2,936	$ 3,500
Gardening	8.000	6,906	9,669
Security	335	21	100
Garbage Removal	3,216	3,135	3,600
Other Services & Supplies	1,943	560	1,100
Repairs & Maintenance	9,393	8,721	8,600
Decorating & Cleaning	13,136	18,924	15,800
Utilities	7,819	8,107	8,296
Site Management	17,300	17,516	18,280
Provision for Doubtful Accounts	2,428	1,208	2,342
Total Variable Costs	64,910	68,034	71,287
Fixed Costs			
Insurance	4,300	5,080	5,157
Property Taxes & Sewer Rates	42,300	41,895	43,990
Management Fee	20,904	20,904	21,740
Provision for Replacement Reserve	41,836	41,836	41,836
Total Fixed Costs	109,340	109,715	112,723
Total Operating Costs	174,250	177,749	184,010
Debt Charges	953,952	969,756	613,644
Less: Federal Mortgage Assistance	(713,016)	(714,687)	(364,104)
Net Debt Charges	240,936	255,069	249,540
Extraordinary Items			
Minor Capital Improvements			7,000
Other	4,000	1,549	8,000
	4,000	1,549	15,000
Total Expenditure	$ 419,186	$ 434,367	$ 448,550
Net Income/(Deficit)	$ (36,588)	$ (31,439)	$ (53,163)

GREATER VANCOUVER HOUSING CORPORATION

Maple Vine Court - 82 Units
7500 Francis Street
Richmond

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 463,979	$ 468,136	$ 480,492
Miscellaneous Income	6,000	6,569	6,000
Total Revenue	$ 469,979	$ 474,705	$ 486,492
Expenditure			
Variable Costs			
Advertising	$ 820	$ 106	$ 400
Gardening	3,100	4,986	4,834
Garbage Removal	2,706	2,168	2,400
Other Services & Supplies	4,118	5,174	7,200
Repairs & Maintenance	16,168	22,926	19,500
Decorating & Cleaning	20,046	23,111	23,900
Utilities	23,023	24,108	25,175
Site Management	23,300	21,344	24,076
Provision for Doubtful Accounts	836	831	953
Total Variable Costs	94,117	104,754	108,438
Fixed Costs			
Insurance	5,100	5,895	6,053
Property Taxes & Sewer Rates	47,400	47,360	49,728
Management Fee	25,584	25,584	26,607
Provision for Replacement Reserve	48,517	48,518	48,517
Total Fixed Costs	126,601	127,357	130,905
Total Operating Costs	220,718	232,111	239,343
Debt Charges	810,236	810,236	667,590
Less: Federal Mortgage Assistance	(565,782)	(565,779)	(425,952)
Net Debt Charges	244,454	244,457	241,638
Extraordinary Items			
Minor Capital Improvements		2,271	
Other		4,741	10,700
		7,012	10,700
Total Expenditure	$ 465,172	$ 483,580	$ 491,681
Net Income/(Deficit)	$ 4,807	$ (8,875)	$ (5,189)

GREATER VANCOUVER HOUSING CORPORATION

McBride Place - 94 Units
431 Ginger Drive
New Westminster

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 583,021	$ 605,715	$ 611,872
Miscellaneous Income	6,500	6,513	6,500
Total Revenue	$ 589,521	$ 612,228	$ 618,372
Expenditure			
Variable Costs			
Advertising	$ 2,500	$ 1,795	$ 2,000
Gardening	7,500	6,831	9,669
Security	470	280	300
Garbage Removal	3,572	4,102	4,700
Other Services & Supplies	2,980	6,920	5,400
Repairs & Maintenance	14,190	16,195	15,100
Decorating & Cleaning	22,424	34,293	28,900
Utilities	17,811	15,220	17,016
Site Management	30,600	29,362	32,233
Provision for Doubtful Accounts	2,531	480	1,847
Total Variable Costs	104,578	115,478	117,165
Fixed Costs			
Insurance	6,100	7,330	7,400
Property Taxes & Sewer Rates	127,400	94,708	99,443
Management Fee	29,328	29,328	30,501
Provision for Replacement Reserve	59,296	59,296	59,296
Total Fixed Costs	222,124	190,662	196,640
Total Operating Costs	326,702	306,140	313,805
Debt Charges	902,304	902,304	902,304
Less: Federal Mortgage Assistance	(604,728)	(600,762)	(604,728)
Net Debt Charges	297,576	301,542	297,576
Extraordinary Items			
Minor Capital Improvements		338	
Other	1,000		3,501
	1,000	338	3,501
Total Expenditure	$ 625,278	$ 608,020	$ 614,882
Net Income/(Deficit)	$ (35,757)	$ 4,208	$ 3,490

GREATER VANCOUVER HOUSING CORPORATION

Meridian Village - 202 Units
Coast Meridian Road/Prairie Road
Port Coquitlam

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 985,430	$1,010,098	$1,028,723
Joint Federal/Provincial Rental Assistance	34,700	32,446	34,700
Miscellaneous Income	6,300	7,578	6,300
Total Revenue	$1,026,430	$1,050,122	$1,069,723
Expenditure			
Variable Costs			
Advertising	$ 2,000	$ 1,458	$ 2,400
Gardening	15,000	16,209	20,144
Security	12,120	10,639	7,000
Garbage Removal	6,666	6,286	6,400
Other Services & Supplies	7,050	3,441	4,600
Repairs & Maintenance	71,820	65,031	72,300
Decorating & Cleaning	52,532	49,534	57,900
Utilities	63,061	60,465	66,326
Site Management	52,100	52,827	55,112
Provision for Doubtful Accounts	8,797	1,003	5,836
Total Variable Costs	291,146	266,893	298,018
Fixed Costs			
Insurance	11,400	12,847	13,559
Property Taxes & Sewer Rates	127,100	120,228	126,239
Management Fee	63,024	63,024	65,545
Provision for Replacement Reserve	67,776	67,776	67,776
Total Fixed Costs	269,300	263,875	273,119
Total Operating Costs	560,446	530,768	571,137
Debt Charges	580,277	580,277	580,277
Extraordinary Items			
Minor Capital Improvement		4,473	
Other	10,880		48,100
	10,880	4,473	48,100
Total Expenditure	$1,151,603	$1,115,518	$1,199,514
Net Income/(Deficit)	$ (125,173)	$ (65,396)	$ (129,791)

GREATER VANCOUVER HOUSING CORPORATION

Minato West - 110 Units
No. 1 Road/Steveston Highway
Richmond

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 632,444	$ 620,808	$ 687,293
Joint Federal/Provincial Rental Assistance	3,626	3,395	3,940
Miscellaneous Income	5,400	5,913	5,400
Total Revenue	$ 641,470	$ 630,116	$ 696,633
Expenditure			
Variable Costs			
Advertising	$ 550	$ 1,119	$ 1,500
Gardening	9,020	11,962	12,086
Security	500	80	250
Garbage Removal	4,400	3,750	3,800
Other Services & Supplies	2,700	1,547	5,900
Repairs & Maintenance	26,850	42,567	42,350
Decorating & Cleaning	25,080	35,474	25,850
Utilities	21,749	22,607	23,203
Site Management	31,300	28,630	32,297
Provision for Doubtful Accounts	2,085	799	1,753
Total Variable Costs	124,234	148,535	148,989
Fixed Costs			
Insurance	6,000	6,609	7,071
Property Taxes & Sewer Rates	60,400	60,742	63,779
Management Fee	34,320	34,320	35,693
Provision for Replacement Reserve	38,650	38,650	38,650
Total Fixed Costs	139,370	140,321	145,193
Total Operating Costs	263,604	288,856	294,182
Debt Charges	323,165	323,165	323,165
Extraordinary Items			
Minor Capital Improvements		1,650	
Other	7,700	2,500	
	7,700	4,150	
Total Expenditure	$ 594,469	$ 616,171	$ 617,347
Net Income/(Deficit)	$ 47,001	$ 13,945	$ 79,286

GREATER VANCOUVER HOUSING CORPORATION

Moffatt Park - 21 Units
Moffatt Road
Richmond

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 141,851	$ 143,610	$ 152,678
Miscellaneous Income	600	880	600
Total Revenue	$ 142,451	$ 144,490	$ 153,278
Expenditure			
Variable Costs			
Advertising	$ 210	$ 1,018	$ 500
Gardening	2,300	2,373	3,626
Garbage Removal	1,155	1,019	1,200
Other Services & Supplies	673	504	800
Repairs & Maintenance	5,874	4,633	6,200
Decorating & Cleaning	5,429	4,324	5,800
Utilities	3,308	2,847	3,041
Site Management	6,000	5,469	6,166
Provision for Doubtful Accounts	61		40
Total Variable Costs	25,010	22,187	27,373
Fixed Costs			
Insurance	1,300	1,546	
Property Taxes & Sewer Rates	14,700	15,353	16,121
Management Fee	6,552	6,552	6,814
Provision for Replacement Reserve	12,527	12,527	12,527
Total Fixed Costs	35,079	35,978	35,462
Total Operating Costs	60,089	58,165	62,835
Debt Charges	247,928	247,928	247,928
Less: Federal Mortgage Assistance	(175,020)	(175,020)	(175,020)
Net Debt Charges	72,908	72,908	72,908
Extraordinary Items			
Minor Capital Improvements		701	
Other			4,000
		701	4,000
Total Expenditure	$ 132,997	$ 131,774	$ 139,743
Net Income/(Deficit)	$ 9,454	$ 12,716	$ 13,535

GREATER VANCOUVER HOUSING CORPORATION

Moray Place - 52 Units
100 Moray Street, West Side
Port Moody

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 322,078	$ 332,624	$ 323,860
Miscellaneous Income	2,900	2,554	2,900
Total Revenue	$ 324,978	$ 335,178	$ 326,760
Expenditure			
Variable Costs			
Advertising	$ 1,560	$ 854	$ 1,100
Gardening	5,616	4,713	6,043
Security	520	820	700
Garbage Removal	1,300	2,014	2,400
Other Services & Supplies	2,296	2,905	2,800
Repairs & Maintenance	10,580	9,597	11,300
Decorating & Cleaning	9,612	14,336	15,300
Utilities	10,165	9,855	9,814
Site Management	13,400	13,588	14,187
Provision for Doubtful Accounts	4,749	(109)	2,722
Total Variable Costs	59,798	58,573	66,366
Fixed Costs			
Insurance	3,700	4,603	4,535
Property Taxes & Sewer Rates	41,500	40,857	42,900
Management Fee	16,224	16,224	16,873
Provision for Replacement Reserve	37,841	37,841	37,841
Total Fixed Costs	99,265	99,525	102,149
Total Operating Costs	159,063	158,098	168,515
Debt Charges	613,884	613,884	523,524
Less: Federal Mortgage Assistance	(427,053)	(427,053)	(335,632)
Net Debt Charges	186,831	186,831	187,892
Extraordinary Items			
Minor Capital Improvements		1,086	
Other	1,000		6,600
	1,000	1,086	6,600
Total Expenditure	$ 346,894	$ 346,015	$ 363,007
Net Income/(Deficit)	$ (21,916)	$ (10,837)	$ (36,247)

GREATER VANCOUVER HOUSING CORPORATION

Ozada Village - 61 Units
Pipeline Road
Coquitlam

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 281,030	$ 287,410	$ 280,519
Miscellaneous Income	6,700	5,815	6,700
Total Revenue	$ 287,730	$ 293,225	$ 287,219
Expenditure			
Variable Costs			
Advertising	$ 610	$ 135	$ 200
Gardening	3,500	2,914	4,029
Security	305	101	100
Garbage Removal	1,281	1,167	1,400
Other Services & Supplies	4,759	3,951	4,600
Repairs & Maintenance	16,006	11,782	15,700
Decorating & Cleaning	10,548	8,469	15,800
Utilities	31,351	26,250	27,380
Site Management	15,800	15,948	16,643
Provision for Doubtful Accounts	338	179	68
Total Variable Costs	84,498	70,896	85,920
Fixed Costs			
Insurance	3,400	3,753	3,993
Property Taxes & Sewer Rates	29,400	28,353	29,771
Management Fee	19,032	19,032	19,793
Provision for Replacement Reserve	34,026	34,026	34,026
Total Fixed Costs	85,858	85,164	87,583
Total Operating Costs	170,356	156,060	173,503
Debt Charges	637,259	634,131	406,117
Less: Federal Mortgage Assistance	(472,404)	(465,586)	(243,785)
Net Debt Charges	164,855	168,545	162,332
Extraordinary Items			
Other	2,000		
Total Expenditure	$ 337,211	$ 324,605	$ 335,835
Net Income/(Deficit)	$ (49,481)	$ (31,380)	$ (48,616)

GREATER VANCOUVER HOUSING CORPORATION

Park Court - 30 Units
Nelson/Brunette
Coquitlam

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 129,407	$ 125,817	$ 128,680
Miscellaneous Income	1,900	1,754	1,900
Total Revenue	$ 131,307	$ 127,571	$ 130,580
Expenditure			
Variable Costs			
Advertising	$ 900	$ 318	$ 500
Gardening	3,000	3,752	4,029
Security	210		100
Garbage Removal	630	594	700
Other Services & Supplies	1,170	302	700
Repairs & Maintenance	15,880	9,358	10,400
Decorating & Cleaning	6,510	6,115	13,600
Utilities	13,255	12,350	12,992
Site Management	9,500	7,838	7,317
Provision for Doubtful Accounts	2,073	1,970	2,309
Total Variable Costs	53,128	42,597	52,647
Fixed Costs			
Insurance	1,600	1,696	1,842
Property Taxes	20,100	19,891	20,886
Management Fee	9,360	9,360	9,734
Provision for Replacement Reserve	6,001	6,000	6,001
Total Fixed Costs	37,061	36,947	38,463
Total Operating Costs	90,189	79,544	91,110
Debt Charges	98,105	98,105	98,105
Less: Federal Mortgage Assistance	(63,637)	(63,660)	(63,637)
Net Debt Charges	34,468	34,445	34,468
Extraordinary Items			
Other			800
Total Expenditure	$ 124,657	$ 113,989	$ 126,378
Net Income/(Deficit)	$ 6,650	$ 13,582	$ 4,202

GREATER VANCOUVER HOUSING CORPORATION

Pinewood Place - 50 Units
17th & Hamilton
North Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 351,683	$ 356,060	$ 357,146
Miscellaneous Income	4,200	3,123	4,200
Total Revenue	$ 355,883	$ 359,183	$ 361,346
Expenditure			
Variable Costs			
Advertising	$ 250	$ 42	$
Gardening	5,000	4,942	9,669
Garbage Removal	2,500	2,918	3,400
Other Services & Supplies	1,800	1,320	1,200
Repairs & Maintenance	8,700	6,252	7,100
Decorating & Cleaning	10,300	8,396	11,500
Utilities	7,381	5,159	6,745
Site Management	12,900	13,069	13,642
Provision for Doubtful Accounts		335	112
Total Variable Costs	48,831	42,433	53,368
Fixed Costs			
Insurance	3,000	3,512	3,624
Property Taxes & Sewer Rates	52,800	52,334	54,951
Management Fee	15,600	15,600	16,224
Provision for Replacement Reserve	27,250	27,250	27,250
Total Fixed Costs	98,650	98,696	102,049
Total Operating Costs	147,481	141,129	155,417
Debt Charges	406,346	407,480	417,438
Less: Federal Mortgage Assistance	(242,291)	(238,955)	(253,017)
Net Debt Charges	164,055	168,525	164,421
Extraordinary Items			
Minor Capital Improvements		485	
Other		2,024	5,200
		2,509	5,200
Total Expenditure	$ 311,536	$ 312,163	$ 325,038
Net Income/(Deficit)	$ 44,347	$ 47,020	$ 36,308

GREATER VANCOUVER HOUSING CORPORATION

Ran Beamish Place - 122 Units
Maple Grove Crescent
Burnaby

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 766,138	$ 795,769	$ 794,932
Miscellaneous Income	6,200	4,459	6,200
Total Revenue	$ 772,338	$ 800,228	$ 801,132
Expenditure			
Variable Costs			
Advertising	$ 3,000	$ 1,153	$ 1,700
Gardening	8,052	7,758	16,115
Security	366		100
Garbage Removal	4,270	3,996	5,000
Other Services & Supplies	3,066	9,526	5,300
Repairs & Maintenance	18,460	16,026	16,200
Decorating & Cleaning	23,988	21,641	24,400
Utilities	9,041	7,784	8,778
Site Management	31,500	31,900	33,286
Provision for Doubtful Accounts	2,258	26	1,514
Total Variable Costs	104,001	99,810	112,393
Fixed Costs			
Insurance	8,000	9,626	9,695
Property Taxes & Sewer Rates	81,700	90,063	94,566
Management Fee	38,064	38,064	39,587
Provision for Replacement Reserve	78,351	78,351	78,351
Total Fixed Costs	206,115	216,104	222,199
Total Operating Costs	310,116	315,914	334,592
Debt Charges	1,299,287	1,299,288	1,299,287
Less: Federal Mortgage Assistance	(891,427)	(891,427)	(891,228)
Net Debt Charges	407,860	407,861	408,059
Extraordinary Items			
Minor Capital Improvements		836	
Other	5,000		1,000
	5,000	836	1,000
Total Expenditure	$ 722,976	$ 724,611	$ 743,651
Net Income/(Deficit)	$ 49,362	$ 75,617	$ 57,481

GREATER VANCOUVER HOUSING CORPORATION

River Place - 111 Units
Gately Drive
Port Coquitlam

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 495,249	$ 502,271	$ 522,824
Miscellaneous Income	8,000	9,895	8,000
Total Revenue	$ 503,249	$ 512,166	$ 530,824
Expenditure			
Variable Costs			
Advertising	$ 3,000	$ 2,159	$ 3,000
Gardening	5,000	5,465	4,834
Security	600	341	1,500
Garbage Removal	3,500	3,509	4,200
Other Services & Supplies	3,043	2,532	2,200
Repairs & Maintenance	22,590	11,829	15,400
Decorating & Cleaning	21,563	22,328	27,700
Utilities	21,671	20,365	22,861
Site Management	28,600	29,026	30,285
Provision for Doubtful Accounts	7,984	5,274	6,535
Total Variable Costs	117,551	102,828	118,515
Fixed Costs			
Insurance	7,400	8,858	8,901
Property Taxes	65,000	66,973	70,322
Management Fee	34,632	34,632	36,017
Provision for Replacement Reserve	78,867	78,867	78,867
Total Fixed Costs	185,899	189,330	194,107
Total Operating Costs	303,450	292,158	312,622
Debt Charges	1,653,894	1,534,536	996,039
Less: Federal Mortgage Assistance	(1,265,985)	(1,143,640)	(591,204)
Net Debt Charges	387,909	390,896	404,835
Extraordinary Items			
Other	3,500		11,000
Total Expenditure	$ 694,859	$ 683,054	$ 728,457
Net Income/(Deficit)	$ (191,610)	$ (170,888)	$ (197,633)

GREATER VANCOUVER HOUSING CORPORATION

St. Andrew's Place - 15 Units
1st Avenue/St. Andrew's
North Vancouver City

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 65,273	$ 64,540	$ 68,416
Miscellaneous Income	1,900	1,756	1,900
Total Revenue	$ 67,173	$ 66,296	$ 70,316
Expenditure			
Variable Costs			
Advertising	$ 200	$ 214	$ 300
Gardening	1,560	1,947	1,611
Garbage Removal	300	293	350
Other Services & Supplies	495	139	2,050
Repairs & Maintenance	6,150	5,166	7,050
Decorating & Cleaning	4,445	3,982	7,100
Utilities	6,719	6,789	7,169
Site Management	3,900	3,919	4,093
Total Variable Costs	23,769	22,449	29,723
Fixed Costs			
Insurance	800	862	933
Property Taxes & Sewer Rates	10,200	10,093	10,598
Management Fee	4,680	4,680	4,867
Provision for Replacement Reserve	4,028	4,028	4,028
Total Fixed Costs	19,708	19,663	20,426
Total Operating Costs	43,477	42,112	50,149
Debt Charges	37,045	37,045	37,045
Extraordinary Items			
Minor Capital Improvements		571	
Other	400		2,000
	400	571	2,000
Total Expenditure	$ 80,922	$ 79,728	$ 89,194
Net Income/(Deficit)	$ (13,749)	$(13,432)	$ (18,878)

GREATER VANCOUVER HOUSING CORPORATION

Semlin Terrace - 36 Units
Semlin/East Hastings
Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 208,135	$ 197,642	$ 218,967
Miscellaneous Income	5,700	5,247	5,700
Total Revenue	$ 213,835	$ 202,889	$ 224,667
Expenditure			
Variable Costs			
Advertising	$ 360	$ 64	$ 150
Gardening		1,136	322
Garbage Removal	1,872	1,756	2,000
Other Services & Supplies	868	848	1,000
Repairs & Maintenance	6,596	6,935	7,200
Decorating & Cleaning	4,292	7,947	6,300
Utilities	8,388	7,584	7,663
Site Management	11,700	12,689	12,177
Provision for Doubtful Accounts	646	133	690
Total Variable Costs	34,722	39,092	37,502
Fixed Costs			
Insurance	1,800	1,872	2,079
Property Taxes	23,100	20,096	21,101
Management Fee	11,232	11,232	11,681
Provision for Replacement Reserve	11,869	11,869	11,869
Total Fixed Costs	48,001	45,069	46,730
Total Operating Costs	82,723	84,161	84,232
Debt Charges	106,187	106,187	106,187
Extraordinary Items			
Minor Capital Improvements		1,737	800
Other	2,000		3,000
	2,000	1,737	3,800
Total Expenditure	$ 190,910	$ 192,085	$ 194,219
Net Income/(Deficit)	$ 22,925	$ 10,804	$ 30,448

GREATER VANCOUVER HOUSING CORPORATION

Single Family Homes - 9 Units
Surrey/Delta

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 49,059	$ 50,300	$ 58,073
Miscellaneous Income		40	
Total Revenue	$ 49,059	$ 50,340	$ 58,073
Expenditure			
Variable Costs			
Advertising	$ 180	$ 121	$ 200
Gardening		80	81
Garbage Removal	500	395	300
Other Services & Supplies	317	189	200
Repairs & Maintenance	5,537	3,918	4,100
Decorating & Cleaning	1,655	3,532	2,700
Utilities	1,028	758	1,120
Site Management	2,900	2,815	3,086
Provision for Doubtful Accounts	52	765	143
Total Variable Costs	12,169	12,573	11,930
Fixed Costs			
Insurance	700	746	810
Property Taxes & Sewer Rates	8,600	9,043	9,495
Management Fee	2,808	2,808	2,920
Provision for Replacement Reserve	2,221	2,218	2,221
Total Fixed Costs	14,329	14,815	15,446
Total Operating Costs	26,498	27,388	27,376
Debt Charges	56,237	56,237	56,237
Less: Federal Mortgage Assistance	(38,741)	(38,741)	(38,741)
Net Debt Charges	17,496	17,496	17,496
Total Expenditure	$ 43,994	$ 44,884	$ 44,872
Net Income/(Deficit)	$ 5,065	$ 5,456	$ 13,201

GREATER VANCOUVER HOUSING CORPORATION

Somerset Gardens - 166 Units
Southmere Crescent East
Surrey

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 915,540	$ 928,876	$ 940,348
Miscellaneous Income	17,000	22,231	17,000
Total Revenue	$ 932,540	$ 951,107	$ 957,348
Expenditure			
Variable Costs			
Advertising	$ 1,660	$ 1,736	$ 2,500
Gardening	7,500	7,352	9,669
Security	996	1,568	1,000
Garbage Removal	5,478	4,793	4,900
Other Services & Supplies	7,198	7,389	9,000
Repairs & Maintenance	40,248	42,012	38,400
Decorating & Cleaning	37,678	37,849	39,700
Utilities	71,419	68,496	72,117
Site Management	47,200	43,227	48,739
Provision for Doubtful Accounts	3,694	1,550	2,343
Total Variable Costs	223,071	215,972	228,368
Fixed Costs			
Insurance	9,600	10,873	11,398
Property Taxes	114,200	115,119	120,875
Management Fee	51,792	51,792	53,864
Provision for Replacement Reserve	80,307	80,307	80,307
Total Fixed Costs	255,899	258,091	266,444
Total Operating Costs	478,970	474,063	494,812
Debt Charges	1,790,577	1,778,423	1,227,307
Less: Federal Mortgage Assistance	(1,291,301)	(1,300,368)	(714,887)
Net Debt Charges	499,276	478,055	512,420
Extraordinary Items			
Minor Capital Improvements		782	
Other		258	
		1,040	
Total Expenditure	$ 978,246	$ 953,158	$1,007,232
Net Income/(Deficit)	$ (45,706)	$ (2,051)	$ (49,884)

GREATER VANCOUVER HOUSING CORPORATION

Stanley/New Fountain - 103 Units
West Cordova
Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 338,967	$ 361,448	$ 397,833
Miscellaneous Income	500	596	500
Total Revenue	$ 339,467	$ 362,044	$ 398,333
Expenditure			
Variable Costs			
Garbage Removal	$ 1,854	$ 1,481	$ 1,800
Other Services & Supplies	13,635	12,882	11,500
Repairs & Maintenance	15,927	19,408	17,200
Decorating & Cleaning	7,136	11,085	8,800
Utilities	37,485	29,591	32,859
Site Management	208,300	199,366	183,518
Provision for Doubtful Accounts	4,068	56,425	19,526
Total Variable Costs	288,405	330,238	275,203
Fixed Costs			
Insurance	17,900	22,442	25,577
Property Taxes	51,300	47,512	37,097
Management Fee	8,022	8,022	8,343
Provision for Replacement Reserve	10,430	10,430	10,430
Total Fixed Costs	87,652	88,406	81,447
Total Operating Costs	376,057	418,644	356,650
Debt Charges	135,674	133,088	136,581
Less: Federal Mortgage Assistance	(77,669)	(73,024)	(75,033)
Net Debt Charges	58,005	60,064	61,548
Extraordinary Items			
Minor Capital Improvements		554	2,000
Other	4,350	4,596	2,499
	4,350	5,150	4,499
Total Expenditure	$ 438,412	$ 483,858	$ 422,697
Net Income/(Deficit)	$ (98,945)	$ (121,814)	$ (24,364)

GREATER VANCOUVER HOUSING CORPORATION

Strathearn Court - 96 Units
False Creek
Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 627,029	$ 628,443	$ 646,112
Miscellaneous Income	6,000	10,796	6,000
Total Revenue	$ 633,029	$ 639,239	$ 652,112
Expenditure			
Variable Costs			
Advertising	$ 1,500	$ 2,056	$ 2,500
Gardening	2,000	600	2,417
Garbage Removal	1,920	1,799	2,100
Other Services & Supplies	3,668	3,420	3,400
Repairs & Maintenance	14,852	10,872	11,300
Decorating & Cleaning	14,524	11,665	15,800
Utilities	31,894	30,483	31,940
Site Management	31,200	33,862	32,472
Provision for Doubtful Accounts	2,267	1,443	1,992
Total Variable Costs	103,825	96,200	103,921
Fixed Costs			
Insurance	5,300	5,838	6,228
Property Taxes & Sewer Rates	65,600	62,755	65,893
Management Fee	29,952	29,952	31,150
Provision for Replacement Reserve	48,436	48,438	48,436
Total Fixed Costs	149,288	146,983	151,707
Total Operating Costs	253,113	243,183	255,628
Debt Charges	958,709	958,709	958,709
Less: Federal Mortgage Assistance	(656,405)	(656,405)	(656,405)
Net Debt Charges	302,304	302,304	302,304
Extraordinary Items			
Other	1,000		600
Total Expenditure	$ 556,417	$ 545,487	$ 558,532
Net Income/(Deficit)	$ 76,612	$ 93,752	$ 93,580

GREATER VANCOUVER HOUSING CORPORATION

Sutton Place - 83 Units
13834 - 102nd Avenue
Surrey

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 419,331	$ 420,265	$ 418,136
Miscellaneous Income	10,800	11,338	10,800
Total Revenue	$ 430,131	$ 431,603	$ 428,936
Expenditure			
Variable Costs			
Advertising	$ 2,490	$ 108	$ 500
Gardening	5,000	4,354	8,057
Security	2,988	200	800
Garbage Removal	2,905	2,890	3,500
Other Services & Supplies	2,179	1,916	1,900
Repairs & Maintenance	20,445	16,589	17,700
Decorating & Cleaning	17,158	22,977	23,800
Utilities	20,142	19,651	21,268
Site Management	27,000	25,920	28,461
Provision for Doubtful Accounts	4,445	4,998	4,464
Total Variable Costs	104,752	99,603	110,450
Fixed Costs			
Insurance	5,300	6,334	6,423
Property Taxes & Sewer Rates	57,800	58,343	61,260
Management Fee	25,896	25,896	26,932
Provision for Replacement Reserve	52,090	52,090	52,090
Total Fixed Costs	141,086	142,663	146,705
Total Operating Costs	245,838	242,266	257,155
Debt Charges	1,026,594	1,028,356	693,081
Less: Federal Mortgage Assistance	(752,220)	(754,132)	(420,684)
Net Debt Charges	274,374	274,224	272,397
Extraordinary Items			
Minor Capital Improvements		1,300	
Other	6,500		10,800
	6,500	1,300	10,800
Total Expenditure	$ 526,712	$ 517,790	$ 540,352
Net Income/(Deficit)	$ (96,581)	$ (86,187)	$ (111,416)

GREATER VANCOUVER HOUSING CORPORATION

Tivoli Gardens - 151 Units
Naples Way
Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 902,309	$ 905,515	$ 951,429
Miscellaneous Income	11,000	11,620	11,000
Total Revenue	$ 913,309	$ 917,135	$ 962,429
Expenditure			
Variable Costs			
Advertising	$ 1,000	$ 77	$ 500
Gardening	13,500	9,787	20,144
Security			200
Garbage Removal	6,040	5,710	6,600
Other Services & Supplies	2,861	3,564	2,700
Repairs & Maintenance	27,273	29,180	33,600
Decorating & Cleaning	25,631	26,039	30,400
Utilities	18,152	17,986	21,177
Site Management	49,100	53,237	51,076
Provision for Doubtful Accounts	2,954	2,483	3,200
Total Variable Costs	146,511	148,063	169,597
Fixed Costs			
Insurance	8,900	10,192	10,611
Property Taxes	111,700	96,988	101,837
Management Fee	47,112	47,112	48,996
Provision for Replacement Reserve	85,104	85,104	85,104
Total Fixed Costs	252,816	239,396	246,548
Total Operating Costs	399,327	387,459	416,145
Debt Charges	1,209,168	1,205,928	1,004,645
Less: Federal Mortgage Assistance	(775,836)	(775,972)	(577,000)
Net Debt Charges	433,332	429,956	427,645
Extraordinary Items			
Other	2,000		14,000
Total Expenditure	$ 834,659	$ 817,415	$ 857,790
Net Income/(Deficit)	$ 78,650	$ 99,720	$ 104,639

GREATER VANCOUVER HOUSING CORPORATION

Walnut Gardens - 26 Units
601 West Keith Road
North Vancouver

	1987 Final Budget	1987 Actual	1988 Final Budget
Revenue			
Rents	$ 185,658	$ 189,142	$ 188,357
Miscellaneous Income	2,300	1,954	2,300
Total Revenue	$ 187,958	$ 191,096	$ 190,657
Expenditure			
Variable Costs			
Advertising	$ 260	$	$
Gardening	5,000	4,886	4,834
Garbage Removal	1,430	1,180	1,400
Other Services & Supplies	936	1,522	900
Repairs & Maintenance	3,680	4,414	7,620
Decorating & Cleaning	7,700	4,726	8,200
Utilities	3,263	3,005	3,157
Site Management	6,700	6,812	7,094
Provision for Doubtful Accounts		74	25
Total Variable Costs	28,969	26,619	33,230
Fixed Costs			
Insurance	1,700	2,045	2,061
Property Taxes & Sewer Rates	37,200	36,530	38,356
Management Fee	8,112	8,112	8,437
Provision for Replacement Reserve	16,037	16,037	16,037
Total Fixed Costs	63,049	62,724	64,891
Total Operating Costs	92,018	89,343	98,121
Debt Charges	261,065	261,065	263,040
Less: Federal Mortgage Assistance	(177,824)	(178,698)	(178,626)
Net Debt Charges	83,241	82,367	84,414
Extraordinary Items			
Minor Capital Improvements	3,300		
Major Repairs		(801)	
Other		(3,155)	
	3,300	(3,956)	
Total Expenditure	$ 178,559	$ 167,754	$ 182,535
Net Income/(Deficit)	$ 9,399	$ 23,342	$ 8,122